

ENGINEERING TECHNOLOGY

(ACOUSTICS/COMMUNICATIONS/RADIO
/TELECOMMUNICATIONS/TV & VIDEO)

ELSEVIER

NEW RELEASE



The comprehensive insider's guide to IPTV and Internet Video networks, applications, and business models

IPTV and Internet Video, 2e

Expanding the Reach of Television Broadcasting

Wes Simpson

Wes Simpson is President of Telecom Product Consulting, an independent consulting firm that focuses on video and telecommunications products. He has more than 25 years' experience in the design, development and marketing of products for telecommunication applications. He is a frequent speaker at industry events such as IBC, NAB and VidTrans and is author of the book <I>Video Over IP.</I> Wes was a founding member of the Video Services Forum.

Howard Greenfield

Howard Greenfield is a digital media strategist, industry columnist, and President of Go Associates, a leading global strategic business development consulting firm. Previously he has held positions with Informix Software, British Telecom, Apple Computer, and Sun Microsystems, where he created and lead the first Media Lab. He is a frequent contributor to technology and business publications and conferences world-wide.

KEY FEATURES:

- Written by well known industry experts, each with 25 years of technology development experience and global insight
- Reality Check perspectives in each chapter tie theory to real-world case studies, for practical application
- Completely updated for a current overview of applications, technology, software, hardware and changes to the broadcast model

DESCRIPTION:

Now in its 2e, *IPTV and Internet Video* clearly explains and demystifies the functions, markets, and future impact of this exploding technology. This book contains an overview of hardware, software, and Internet technologies, case studies, and covers a range of products and services. It is a guide to help readers master the key trends and drivers transforming the world of broadcast television and the Web. Readers get a working knowledge of IPTV, enabling both non-technical and technical professionals to accurately analyze the emerging technology and business opportunities. With IPTV subscriptions estimated to grow 32% annually for the next 6 years, this book is necessary reading material for companies wanting to remain current in the marketplace.

RELATED TITLES:

1) Video Over IP, Sep 2005, 520pp., 9780240805573, \$59.95 Bookscan Units: 1,535 2) A Broadcast Engineering Tutorial for Non-Engineers, Apr. 205, 9780240807003, \$38.95 Bookscan units: 1,095

ISBN: 978-0-240-81245-8

PUB DATE: September 2009

LIST PRICE: \$39.95

DISCOUNT: Agency

FORMAT: Paperback

PAGES: c. 275

TRIM SIZE: 6w x 9h "

AUDIENCE: Non-technical managers and executives in broadcast and multimedia companies.

SHELVING CLASSIFICATIONS:
TECHNOLOGY / Electronics / Digital, TECHNOLOGY / Telecommunications, COMPUTERS / Internet / General

BISAC CODES: TEC008060, TEC041000, COM060000

MARKETING: Space ad in Broadcast Engineering Mag (40k) and online ad in BE e-newsletter (30k).

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--/01/Bur - September 2009 Package
Mail Date 4/2009

Simpson: IPTV and Internet Video, 2e (978-0-240-81245-8)

TABLE OF CONTENTS:

Chapter 1 - Why Use IP for Video?

Chapter 2 - IPTV vs. Internet Video

Chapter 3 - Business Models

Chapter 4 - IP - The Internet Protocol

Chapter 5 - Video Compression

Chapter 6 - Maintaining Video Integrity

Chapter 7 - IPTV Hardware Technologies

Chapter 8 - IPTV Software Technologies

Chapter 9 - Internet Video Technologies

Chapter 10 - The Future

ENGINEERING TECHNOLOGY

(AGRICULTURE & ANIMAL HUSBANDRY
/ FOOD INDUSTRY & SCIENCE)

ELSEVIER

NEW RELEASE



Prevent produce contamination before it occurs.

The Produce Contamination Problem

Causes and Solutions

Edited by:

Gerald Sapers

USDA - Retired

Ethan Solomon

DuPont Chemical Solutions Enterprise, Wilmington, DE, USA

Karl R. Matthews

Rutgers-The State University of New Jersey, New Brunswick, USA

A Volume in the Food Science and Technology Series.

KEY FEATURES:

- Addresses food-borne contaminations from a prevention view, providing proactive solutions to the problems
- Covers core sources of contamination and methodologies for identifying those sources
- Includes best practice and regulatory information

DESCRIPTION:

Understanding the causes and contributing factors leading to outbreaks of food-borne illness associated with contamination of fresh produce is a worldwide challenge for everyone from the growers of fresh-cut produce through the entire production and delivery process. The premise of this book is that when human pathogen contamination of fresh produce occurs, it is extremely difficult to reduce pathogen levels sufficiently to assure microbiological safety with the currently available technologies. A wiser strategy would be to avoid crop production conditions that result in microbial contamination to start.

These critical, problem-oriented chapters have been written by researchers active in the areas of food safety and microbial contamination during production, harvesting, packing and fresh-cut processing of horticultural crops, and were designed to provide methods of contamination avoidance. Coverage includes policy and practices in the US, Mexico and Central America, Europe, and Japan.

RELATED TITLES:

FOODBORNE INFECTIONS AND INTOXICATIONS, 3e(2006, \$115.00, 012588365X) Riemann and Cliver

POSTHARVEST HANDLING 2e(2009, \$89.95, 9780123741868) Florkowski et al

ISBN: 978-0-12-374186-8

PUB DATE: July 2009

LIST PRICE: \$89.95

DISCOUNT: Agency

FORMAT: Hardback

PAGES: c. 482

TRIM SIZE: 7.5w x 9.25h "

AUDIENCE: This book will be useful to growers, packers and fresh-cut processors and their trade associations and suppliers, especially those impacted by outbreaks of food-borne illness. Also a valuable source of information to researchers at universities and government agencies who are investigating means of avoiding contamination and improving the microbiological safety of fresh produce.

SHELVING CLASSIFICATIONS:
TECHNOLOGY / Food Industry & Science

BISAC CODES: TEC012000

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JP/90/Bur - September 2009 Package
Mail Date 4/2009

Sapers: The Produce Contamination Problem (978-0-12-374186-8)

ELSEVIER

NEW RELEASE



The most recent developments in potato chemistry application in one valuable resource

Advances in Potato Chemistry and Technology

Edited by:

Jaspreet Singh

Riddet Institute, Massey University, New Zealand

Lovedeep Kaur

Riddet Institute, Massey University, New Zealand

KEY FEATURES:

- Covers potato chemistry in detail, providing key understanding of the role of chemical compositions on emerging uses for specific food and non-food applications
- Presents coverage of developing areas, related to potato production and processing including genetic modification of potatoes, laboratory and industry scale sophistication, and modern quality measurement techniques to help producers identify appropriate varieties based on anticipated use
- Explores novel application uses of potatoes and potato by-products to help producers identify potential areas for development of potato variety and structure

DESCRIPTION:

Developments in potato chemistry, including identification and use of the functional components of potatoes, genetic improvements and modifications that increase their suitability for food and non-food applications, the use of starch chemistry in non-food industry and methods of sensory and objective measurement have led to new and important uses for this crop. *Advances in Potato Chemistry and Technology* presents the most current information available in one convenient resource. The expert coverage includes details on findings related to potato composition, new methods of quality determination of potato tubers, genetic and agronomic improvements, use of specific potato cultivars and their starches, flours for specific food and non-food applications, and quality measurement methods for potato products.

RELATED TITLES:

HANDBOOK OF POTATO PRODUCTION, IMPROVEMENT and POST HARVEST MANAGEMENT (2006, \$149.95, 9781560222712, Food Products Press) Gopal/Khurana

STARCH: Chemistry and Technology 3e (2009 projected pub date, 9780127462752, Academic Press) Whistler/Bemiller (2e ISBN: 9780127462707)

ISBN: 978-0-12-374349-7

PUB DATE: June 2009

LIST PRICE: \$150.00

DISCOUNT: Agency

FORMAT: Hardback

PAGES: c. 592

TRIM SIZE: 7.5w x 9.25h "

AUDIENCE: Scientists and researchers working in food chemistry, agronomy, genetics, horticulture, and nutrition.

SHELVING CLASSIFICATIONS:
TECHNOLOGY / Food Industry & Science

BISAC CODES: TEC012000

MARKETING: Special potato ad in Journal of Food Composition

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TABLE OF CONTENTS:

Introduction: Potato Tuber - An Introduction

1. Potato Origin and Production

2. Breeding, Genetics, and Cultivar Development

3. Cell-wall Polysaccharides of Potatoes

4. Structure of Potato Starch

5. Potato Proteins, Lipids and Minerals

6. Analysis of Glycoalkaloids, Phenolic Compounds and Anthocyanins in Potatoes

7. Thermal Processing and Quality Optimization of Potatoes

8. Advanced analytical techniques to evaluate the quality of potato and potato starch

9. Textural and Rheological Characteristics of Raw and Cooked Potatoes

10. Potato Starch and its Modification

11. Fried and Dehydrated Potato Products

12. Postharvest Storage of Potatoes

13. Nutritional Value of Potatoes: Digestibility, Glycemic Index and Glycemic Impact

14. Nutritional Value of Potatoes: Vitamin, Phytonutrient and Mineral Content.

15. Novel Applications and Non-Food Uses of Potato: Future Perspectives in Nanotechnology

16. Novel Applications and Non-Food Uses of Potato: Potatoes in biomedical/pharmaceutical and fermentation applications

17. Potatoes for Human Life Support in Space

ELSEVIER

NEW RELEASE



A modern plant cell biology textbook for the plant biology student

Plant Cell Biology

Randy O. Wayne

Department of Plant Biology Cornell University, Ithaca, NY, USA

KEY FEATURES:

- Thoroughly explains the physiological underpinnings of biological processes to bring original insight related to plants
- Includes examples throughout from physics, chemistry, geology, and biology to bring understanding to plant cell development, growth, chemistry and diseases
- Provides the essential tools for students to be able to evaluate and assess the mechanisms involved in cell growth, chromosome motion, membrane trafficking, and energy exchange
- Companion website provides support for all plant cell biology courses

DESCRIPTION:

Plant Cell Biology is a semester-long course for undergraduates and graduate students that integrates mathematics and physics, two years of chemistry, genetics, biochemistry and evolution disciplines. Having taught this course for over 10 years, the author uses his expertise to relate the background established in plant anatomy, plant physiology, plant growth and development, plant taxonomy, plant biochemistry, and plant molecular biology courses to plant cell biology. This integration breaks down the barrier so plant cell biology is seen as an entree into higher science. Distinguishing this text from papers that are commonly used for teaching the subject, this book covers all aspects of plant cell biology without emphasizing any one plant, organelle, molecule, or technique. Although most examples are biased toward plants, basic similarities between all living eukaryotic cells (animal and plant) are recognized and used to best illustrate cell processes.

RELATED TITLES:

Agrios: *Plant Pathology*, 5e; 0120445654; 2005

Heldt: *Plant Biochemistry*, 3e; 0120883910; 2005

ISBN: 978-0-12-374233-9

PUB DATE: September 2009

LIST PRICE: \$79.95

DISCOUNT: Textbook

FORMAT: Hardback + website

PAGES: c. 800

TRIM SIZE: 8.5w x 10.875h "

AUDIENCE: Plant Biology and Plant Cell Biology courses; researchers and scientists with a background in plant anatomy, plant physiology, plant growth and development, plant taxonomy, plant biochemistry, and plant molecular biology needing a reference in plant biology

SHELVING CLASSIFICATIONS: SCIENCE / Botany, SCIENCE / Biology, SCIENCE / Life Sciences / General

BISAC CODES: SCI011000, SCI008000, SCI086000

MARKETING: Textbook adoption campaigns

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Wayne: Plant Cell Biology (978-0-12-374233-9)

TABLE OF CONTENTS:

Chapter 1: On the Nature of Cells
Chapter 2: The Plasma Membrane
Chapter 3: Plasmodesmata
Chapter 4: The Endoplasmic Reticulum
Chapter 5: Peroxisomes
Chapter 6: The Golgi Apparatus
Chapter 7: Vacuoles
Chapter 8: Movement within the Endomembrane System
Chapter 9: Cytoplasmic Structure
Chapter 10: Actin and Microfilament-mediated Processes
Chapter 11: Tubulin and Microtubule-mediated Processes
Chapter 12: Cell Signaling
Chapter 13: Chloroplasts
Chapter 14: Mitochondria
Chapter 15: Origin of Organelles
Chapter 16: The Nucleus
Chapter 17: Ribosomes and Proteins
Chapter 18: The Origin of Life
Chapter 19: Cell Division
Chapter 20: The Extracellular Matrix

ENGINEERING TECHNOLOGY
(ELECTRICAL ENGINEERING/ELECTRONICS)



The sizzling hot topic of real-time embedded technology combined with dynamic project management techniques!

Real-Time Embedded Systems Software Project Management

Robert Oshana

Director of Engineering, Freescale, TX, USA

KEY FEATURES:

- Most software projects are 60% late to market; this book will keep readers on schedule and on budget
- No other book covers the entire lifecycle of an embedded software product
- Filled with industry examples and real-world case studies
- There are 30,000+ practicing embedded engineers

DESCRIPTION:

Rob Oshana has 25+ years of experience in the industry, which he uses along with real-life case studies and industry examples to set forth a phased lifecycle approach.

Real-time technology is very important to embedded systems. Microcontrollers and microprocessors must react instantly when needed. At the Embedded Systems Conference West last April, this was a topic everyone was attending sessions on and talking about. As with all technology, the designing, development, coding, and management is ever-evolving. This book strikes the right balance between real-life examples and theory, making it a title for right now and reference for later.

This book is a must have for team leaders and managers and engineers of all levels trying to understand how their piece of the puzzle fits into the big picture.

RELATED TITLES:

- Garton: Fundamentals of Technology Project Management, Mc Press 2005, 9781583470534 \$49.95 495 pages. BOOKSCAN 4474
- Qing Li - Real-time Concepts for Embedded Systems, CMP books 2003, 9781578201242, \$50.95, 294 pages Bookscan: 3131
- Siewert: Real-Time Embedded Components and Systems, Charles River Media 2006 1584504684 \$59.95, 384 pages, Bookscan 167
- Massa: Embedded Software Development with eCos. Prentice Hall 200 0130354732 \$49.95 399 pages. BOOKSCAN: 1530

ISBN: 978-0-7506-8672-3

PUB DATE: August 2009

LIST PRICE: \$69.95

DISCOUNT: Agency

FORMAT: Paperback

PAGES: c. 304

TRIM SIZE: 7.5w x 9.25h "

PRINT RUN: 2500

AUDIENCE: Embedded Systems Designers, Engineers, Managers, Team Leaders

SHELVING CLASSIFICATIONS:
TECHNOLOGY / Electronics / Microelectronics, TECHNOLOGY / Engineering / Electrical

BISAC CODES: TEC008070, TEC009030

MARKETING: Cluster E-brochure, trade shows and conferences, online display ads, 2x-Email blast to in-house subscribers, e-newsletters, and web feature

TABLE OF CONTENTS:

Principle components of Project Management
Overview of Real-Time Embedded Systems
Real-Time Software Lifecycle
Overview of SW development lifecycles
Overview of SW processes, CMMi, ISO, Agile
Hardware/Software Co-Design
Software performance engineering
Selecting the right processor

Requirements
Real-time requirements
Stimuli/Response requirements
Mapping requirements to processor resources
Managing requirements change

Specification and modeling
Sequence enumeration
State machines
Block diagram modeling (Matlab examples)
Prototyping

Design
Real-time design patterns
Real-time design process and example
Special considerations for SoC and multicore processing

Code and unit test
Real-time optimizations
Optimization process flow
Testing real-time systems

Product Integration
Debugging/Integrating in the lab
Debugging/Integrating in the field
System level testing

Appendix A Sequence enumeration of a cell phone
Appendix B PlanetDSP articles (http://www.dsp-fpga.com/columns/Planet_DSP/)
Appendix C User interface guidelines for embedded systems

ENGINEERING TECHNOLOGY
(MATERIAL SCIENCE)

ELSEVIER

NEW RELEASE



Harness the power of materials R&D within the design cycle and realize the massive economic benefits.

Materials and Innovative Product Development

From Concept to Market

Gernot H. Gessinger

KEY FEATURES:

- Unlock the potential of the new materials types by integrating R&D and the product design process within your business
- Engineers are encouraged to develop a fuller understanding of economics and business objectives to contribute more effectively to innovative product design
- Design and manufacturing management are introduced to the huge business opportunities and practical challenges of deploying new material types, and how to harness the power of R&D within the design cycle

DESCRIPTION:

Innovation in product design starts with materials: this ground-breaking book examines how the creative, economic and engineering aspects of the design cycle have materials selection and innovation at their heart. The knowledge of materials engineers and the R&D function are commonly not fully leveraged in the creative phase of the product design cycle. Gessinger demonstrates how integrating the different engineering and business disciplines can power innovation in the design process, illustrating this with case studies from blue chip companies such as Johnson & Johnson, ABB Engineering and DuPont.

Written from the perspective of the materials engineer, the mechanical engineer or the scientist on the product design team, this book introduces business, economics and strategic product development to the materials specialist, and demystifies materials selection for other members of the design team and manufacturing management. Reading this book will enable you to unlock the potential of the new material types that have been changing the face of product design, and deploy an integrated business approach to materials selection and the design process.

RELATED TITLES:

- Ashby, Materials and Design, 2002; ISBN: 978-0-7506-5554-5
- Kahn, The PDMA Handbook of New Product Design, 2e, 2004; ISBN: 978-0-471-48524-7
- Ulrich & Eppinger, Product Design and Development, 3e, 2003; ISBN: 978-0-07-247146-5

ISBN: 978-1-85617-559-3

PUB DATE: late July 2009

LIST PRICE: \$79.95

DISCOUNT: Agency

FORMAT: Hardback

TRIM SIZE: 7.75w x 9.375h "

AUDIENCE: Material Engineers, mechanical engineers, chemical engineers, physicists, electrical and electronics engineers, industrial engineers

SHELVING CLASSIFICATIONS:

TECHNOLOGY / Engineering / Civil, TECHNOLOGY / Engineering / General, TECHNOLOGY / Engineering / Mechanical

BISAC CODES: TEC009020, TEC009000, TEC009070

MARKETING: Cluster E-brochure, trade shows and conferences, online display ads, 2x-Email blast to in-house subscribers, e-newsletters, and web feature

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Gessinger: Materials and Innovative Product Development (978-1-85617-559-3)

TABLE OF CONTENTS:

Introduction, Things you need to know about a company, Waking up: Cost analysis & Investment, the human factor in management, innovation and diversification (including Case Studies), Innovation Barriers in small, medium and large companies (including Case Studies), Case Studies in Materials R&D, Appendices

ENGINEERING TECHNOLOGY
(ALL OTHER SUB-DISCIPLINES)

ELSEVIER

NEW RELEASE



Consolidates theory and practice of energy-use in building systems to aid an holistic approach to design

Energy: Management, Supply and Conservation, 2e

Clive Beggs

Professor of Medical Technology, University of Bradford, Chartered Engineer, BRE advisor, formerly of the School of Civil Engineering, The University of Leeds.

KEY FEATURES:

- Understand energy issues affecting the built environment such as cost, supply, taxation and policy
- How to monitor, manage and avoid waste energy
- Worked examples showing how to calculate key energy factors

DESCRIPTION:

Energy: Management, Supply and Conservation looks at the principles and practice of energy supply and its consumption by buildings. By covering energy-efficient heating, air-conditioning and ventilation, this book also considers the systems needed to create a low-energy, sustainable building. This new edition includes the latest in alternate-energy technology; for example fuel cells, wind turbines and solar panels as well as updating important energy values and statistics.

Using tables, figures and worked examples, the book is ideal for students studying energy management as part of building services, mechanical and architectural engineering courses.

RELATED TITLES:

- Oughton and Hodkinson, *Faber & Kell's Heating & Air-conditioning of Buildings*, 9e, December 2001, £84, 736pp, ISBN: 07506 4642X
- Smith, *Sustainability at the Cutting Edge*, February 2007, £27.99, 180pp, ISBN: 07506 83007
- Smith, *Eco-refurbishment*, October 2003, £23.99, 128pp, ISBN: 0750659734

ISBN: 978-0-7506-8670-9

PREVIOUS EDITION ISBN:
9780750650960 (06 / 2002)

PUB DATE: September 2009

LIST PRICE: \$52.95

DISCOUNT: Agency

FORMAT: Paperback

Approx. 100 illustrations

PAGES: c. 352

TRIM SIZE: 7.75w x 9.75h "

AUDIENCE: Students studying energy management as an option on building services, environmental engineering, architectural technology or as a core element of an energy-focused engineering course.

SHELVING CLASSIFICATIONS:
TECHNOLOGY / Construction & Construction Trades

BISAC CODES: TEC005000

MARKETING: Students studying energy management as an option on building services, environmental engineering, architectural technology or as a core element of an energy-focused engineering course.

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Beggs: Energy: Management, Supply and Conservation, 2e (978-0-7506-8670-9)

TABLE OF CONTENTS:

Energy and the environment; Utility companies and energy supply; Competition in energy supply; Energy analysis techniques; Energy audits and surveys; Project investment appraisal; Energy monitoring, targeting and waste avoidance; Energy efficient heating; Waste heat recovery; Combined heat and power; Energy efficient air conditioning and mechanical ventilation; Energy efficient electrical services; Passive solar and low energy building design, Appendices; Index

ELSEVIER

NEW RELEASE



The Gas Service Technology Series is a one-stop resource for up-to-date information on all aspects of gas installation and servicing.

Tolley's Basic Science and Practice of Gas Service, 5e

(Gas Service Technology Volume 1)

John Hazlehurst

KEY FEATURES:

- Comprehensive reference combined with practical application: an essential handbook for gas service technology
- Fully updated in line with the latest changes to standards, S/NVQs and ACS Certificates of Competence
- Hundreds of line drawings and photographs maximize accessibility of the text, enabling readers to easily recognize the appliances under discussion

DESCRIPTION:

This is the first of three essential reference volumes for those concerned with the installation and servicing of domestic and industrial equipment. This handy volume explains the basic principles underlying the practical and theoretical aspects of installing and servicing gas appliances and associated equipment. Covering both natural gas and liquefied petroleum gas, this volume will enable the reader to put into practice safe installation and servicing procedures. The 5e is aligned to all current standards and legislation.

RELATED TITLES:

Hall/Greeno: Building Services Handbook, 4e (2007, £21.99/\$39.95, ISBN: 9780750682206)

Muscroft: Plumbing, 2e (2005, £19.99/\$34.95, ISBN: 9780750684347)

Ward: Domestic Central Heating Wiring Systems & Controls, 2e (2005, £36.99/\$65.95, ISBN: 9780750664363)

ISBN: 978-1-85617-671-2

PREVIOUS EDITION ISBN:
978-0-7506-6945-0

PUB DATE: late September 2009

LIST PRICE: \$130.00

DISCOUNT: Agency

FORMAT: Hardback

PAGES: c. 480

TRIM SIZE: 6w x 9h "

AUDIENCE: Gas professionals.

SHELVING CLASSIFICATIONS:
TECHNOLOGY / Construction &
Construction Trades

BISAC CODES: TEC005000

MARKETING: Promotion
conjunction with FE Building
Services texts. Direct mail
campaigns to relevant college
centre lists including 230 ACS
centers listed on CORGI website.

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Hazlehurst: Tolley's Basic Science and Practice of Gas Service, 5e (978-1-85617-671-2)

TABLE OF CONTENTS:

Properties of gases; Combustion; Liquefied petroleum gas; Burners; Energy; Pressure and gas flow; Control of pressure; Measurement of gas; Basic electricity; Transfer of heat; Gas controls; Materials and processes; Tools; Measuring devices.

ELSEVIER

NEW RELEASE



The Gas Service Technology Series is a one-stop resource for up-to-date information on all aspects of gas installation and servicing.

Tolley's Industrial and Commercial Gas Installation Practice, 5e

(Gas Service Technology Volume 3)

John Hazlehurst

KEY FEATURES:

- Comprehensive reference combined with practical application: an essential handbook for gas service technology
- Fully updated in line with the latest changes to standards, S/NVQs and ACS Certificates of Competence
- Hundreds of line drawings and photographs maximize accessibility of the text, enabling readers to easily recognize the appliances under discussion

DESCRIPTION:

This is the third of three volumes of essential reference for those concerned with the installation and servicing of domestic and industrial equipment. This handy volume explains the basic principles underlying the practical and theoretical aspects of installing and servicing gas appliances and associated equipment. Covering both natural gas and liquefied petroleum gas, this volume will enable the reader to put into practice safe installation and servicing procedures. The 5e is aligned to all current Standards and legislation.

RELATED TITLES:

Hall/Greeno: Building Services Handbook, 4e (2007, £21.99/\$39.95, ISBN: 9780750682206)

Muscroft: Plumbing, 2e (2005, £19.99/\$34.95, ISBN: 9780750684347)

Ward: Domestic Central Heating Wiring Systems and Controls, 2e (2005, £36.99/\$65.95, ISBN: 9780750664363)

ISBN: 978-1-85617-672-9

PREVIOUS EDITION ISBN:
978-0-7506-6947-4

PUB DATE: late September 2009

LIST PRICE: \$130.00

DISCOUNT: Agency

FORMAT: Hardback

TRIM SIZE: 6w x 9h "

AUDIENCE: Gas professionals.

SHELVING CLASSIFICATIONS:
TECHNOLOGY / Construction &
Construction Trades

BISAC CODES: TEC005000

MARKETING: Gas professionals including all CORGI registered technicians and engineers (120,000 in UK).

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Mail Date 4/2009

Hazlehurst: Tolley's Industrial and Commercial Gas Installation Practice, 5e (978-1-85617-672-9)

TABLE OF CONTENTS:

Large installations; Industrial and commercial gas meters; Industrial processes and plant; Industrial gas burner systems and their control; Flame protection systems; Commercial catering; Incinerators; Steam boilers; Overhead heating; Combined heat and power; Air conditioning; Large-scale heating and hot water systems; Natural gas and the environment.

ELSEVIER

NEW RELEASE



The Gas Service Technology Series is a one-stop resource for up-to-date information on all aspects of gas installation and servicing.

Tolley's Domestic Gas Installation Practice, 5e

(Gas Service Technology Volume 2)

John Hazlehurst

KEY FEATURES:

- Comprehensive reference combined with practical application: an essential handbook for gas service technology
- Fully updated in line with the latest changes to standards, S/NVQs and ACS Certificates of Competence
- Hundreds of line drawings and photographs maximize accessibility of the text, enabling readers to easily recognize the appliances under discussion

DESCRIPTION:

This is the second of three essential reference volumes for those concerned with the installation and servicing of domestic and industrial equipment. This handy volume explains the basic principles underlying the practical and theoretical aspects of installing and servicing gas appliances and associated equipment. Covering both natural gas and liquefied petroleum gas, this volume will enable the reader to put into practice safe installation and servicing procedures. The 5e is aligned to all current standards and legislation.

RELATED TITLES:

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RELATED TITLES:

Design and Construction, Gerard de Valence, \$68.95, Paperback: 504 pages, Butterworth-Heinemann (12.10.2002), ISBN-10: 0750651490

Construction Business Management: A Guide to Contracting for Business Success by Nick B. Ganaway, \$49.95, Paperback: 201 pages, Butterworth-Heinemann (09.18.2006), ISBN-10: 075068108X

The Management of Construction: A Project Lifecycle Approach (Paperback) by F. Lawrence Bennett, \$56.95 Paperback: 352 pages, Butterworth-Heinemann (08.25.2003), ISBN-10: 0750652543

Project Scheduling and Management for Construction by David R. Pierce, \$64.95, Paperback: 286 pages, R.S. Means Company; Revised 3e (02.2004), ISBN-10: 0876297386

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SHELVING CLASSIFICATIONS:
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The Fast Track process- pluses and minuses
To CM or not to CM?
Considering Design-Build at this early stage
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The Right Questions to Ask
Checking up via References
The process of extracting the owner's program
The full field of services architects can supply
Chapter 4- Construction Contracts-Types, Pros and Cons of Each
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Cost Plus a Fee with a Guaranteed Maximum Price (GMP)
Lump or Stipulated sum
Construction Manager (CM)
Design-Build
The Value of Alternates and Allowances
Chapter 5- Preparing Meaningful Bid Documents
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The Request for Proposal (RFP)
Sample forms
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Chapter 6- Preparing the Construction Contract
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The Value of Exhibits to the Contract
When Tenant Work is Involved in a Commercial Lease
The Need for a Contingency
The role of Bonds and Insurance
Chapter 7- Organizing for Construction
The role of the Architect During Construction
The role of the Owner's Representative
Establishing Effective communications between all parties
Dealing With Difficult Issues That Can Cause Disputes & Claims
Chapter 8- The Construction Schedule
The CMP Schedule- the Bar Chart Schedule
The Importance of the Base Line Schedule
The Double Edged Sword
Chapter 9- The Change Order Process
How to Eliminate Many problems Up Front
Effective Monitoring of Contractor's cost proposals
The Owner's rights and obligations
Chapter 10-Participating in the Construction Process,The Weekly Progress Meetings
Project Documentation to Protect One's Position ,Lien Waivers- What They Do and what They don't Do
The Art of Compromise
Chapter 11- Successfully Closing out the Project,Successful Close-Out Starts at the Project's Beginning
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Ray Tricker

Principal Consultant & Managing Director of Herne European Consultancy Ltd., UK

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DESCRIPTION:

An essential reference for plumbers, building services engineers and civil engineers working on projects in the UK. A topic-based approach provides the reader with an exceptionally quick source of information on all aspects of the water regulations.

The book explains the meaning of the water regulations, their current status, requirements, associated documentation and how UK local authorities, councils and the water supply companies view their importance and how and why you need to comply with them. Throughout the book, there is a series of "what ifs," with answers provided for the most common questions that might be asked. Ray Tricker is the author of the bestselling UK books *Building Regulations in Brief* and *Wiring Regulations in Brief*.

RELATED TITLES:

Hall & Greeno: Building Services Handbook 4e (Mar 2007, £21.99, 9780750682206), Elsevier

Tricker, Building Regulations in Brief 5e (August 2007, £19.99, 9780750680585), Elsevier

Tricker, Wiring Regulations in Brief (Dec 2006, £19.99, 9780750668514), Elsevier

JTL: Plumbing NVQ and Technical Certificate: Level 3 (Oct 2005, £27.99, 9780435401955), Heinemann

Treloar: Plumbing: Heating and Gas Installation 3e (July 2006, £19.99, 9780632053325), Blackwell Publishing

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AUDIENCE: Professional civil engineers, plumbers, building services engineers and water supply company staff working on projects in the UK

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