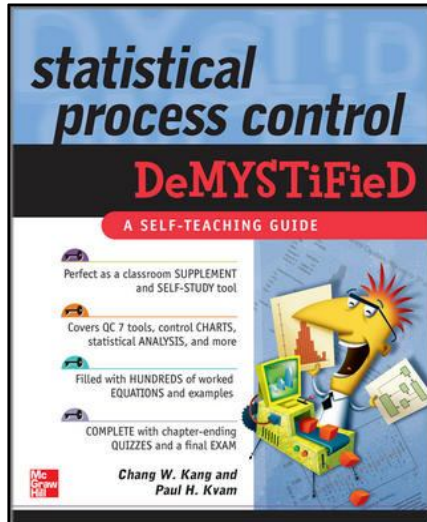


Statistical Process Control DeMYSTiFieD

Chang Kang, Paul Kwam

Imprint: MCGRAW-HILL PROFESSIONAL



Pub Date: March 2009
ISBN: 9780071600491
Format: Softcover
Subject Area: Statistics
Pages: 320
Price: AUS\$ 39.95/ NZ\$ 45.00
Trim: 18.8 x 23.5 cm

Description:

Monitor and improve quality quickly and easily

Here is an invaluable self-teaching guide for anyone struggling to understand Statistical Process Control (SPC) the use of statistical techniques to measure and improve the quality of processes. *Statistical Process Control Demystified* explains QC 7 tools, estimation, hypothesis testing, control charts, simple linear regression, two-level factorial design, and the analysis of variance. Professionals in manufacturing, sales, marketing, finance, service, or public sectors who are looking to improve performance, products, and services by analysing their machine and process capabilities will benefit from this book. Free access to the authors' proprietary eZ SPC software is included.

Key Features:

- Introduces the tools of SPC in a simple yet thorough manner
- Avoids theoretical explanations, opting instead for showing exactly how to actually use the ideas practically, and interpret them for the most benefit
- Explains the Quality Control 7 Tools, integral to statistical process control
- Includes the authors' proprietary eZ SPC software, available free to readers

Market:

Professionals in manufacturing, sales, marketing, finance, service or public sectors who are looking to improve performance, products, and services by analysing their machine and process capabilities. Includes operators, supervisors, six sigma green belts, and process engineers.

Author Biography:

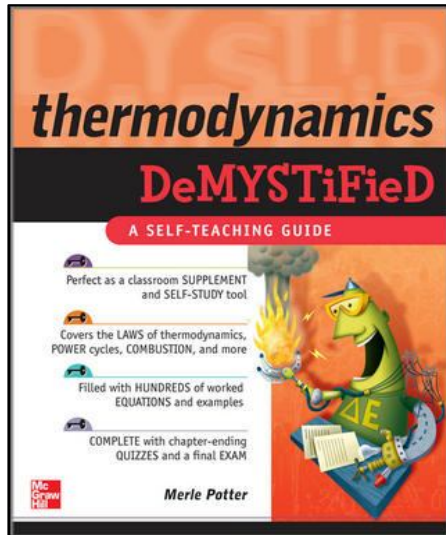
Chang W. Kang, Ph.D., is a professor in the Department of Industrial and Information Engineering at Hanyang University.

Dr. Paul H. Kwam, Ph.D., is a professor in the School of Industrial & Systems Engineering at Georgia Institute of Technology.

Thermodynamics Demystified

Merle Potter

Imprint: MCGRAW-HILL PROFESSIONAL



Pub Date: March 2009

ISBN: 9780071605991

Format: Paperback

Subject Area: Mechanical Engineering

Pages: 336

Illustrations: 100

Price: AUSS\$ 39.95/ NZ\$ 45.00

Trim : 18.8 x 23.5 cm

Description:

Take the heat off of learning thermodynamics.

Offering sure relief from the pressure of understanding thermodynamics, this practical guide helps you truly comprehend this difficult engineering topic. *Thermodynamics Demystified* covers basic principles, laws of thermodynamics, power cycles, refrigeration cycles, psychrometrics and combustion.

Packed with hundreds of worked equations and examples, concise explanations, end-of-chapter quizzes and a final exam, this book is the perfect classroom supplement and self-study tool.

Key Features:

- Covers the topics of a one semester, university-level course in thermodynamics following typical Demystified self-teaching pedagogy and step-by-step guidance
- Includes original sample problems from real-world engineering applications
- Thoroughly worked and explained examples
- All units are both SI and EE

Market:

Chemical, Mechanical and Civil Engineering Students who are taking thermodynamics, those seeking to refresh their knowledge of thermodynamics before taking a professional examination and High School Students who have mastered physics and want to be challenged.

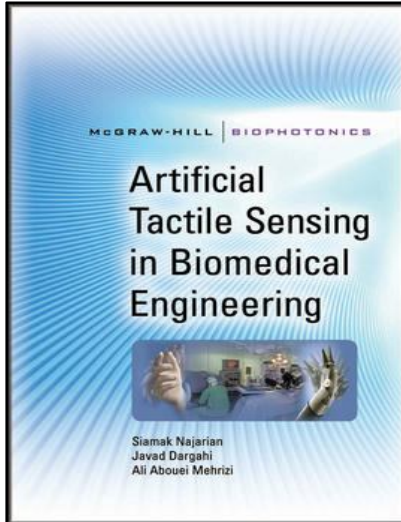
Author Biography:

Merle Potter taught engineering for 42 years (at Michigan Tech, University of Michigan and Michigan State University) and Thermodynamics for about 20 years. He has written about 25 other engineering books, both textbooks and exam review books (for the professional engineering exams and for the GRE and GMAT exams).

Artificial Tactile Sensing in Biomedical Engineering

Siamak Najarian, Javad Dargahi, Ali Abouei Mehrizi

Imprint: MCGRAW-HILL PROFESSIONAL



Pub Date: March 2009

ISBN: 9780071601511

Format: Hardcover

Subject Area: Biomedical Engineering

Pages: 350

Price: AUS\$ 200.00/ NZ\$ 225.00

Trim: 15.2 x 22.9 cm

Description:

Comprehensive information on artificial tactile sensing design for minimally invasive surgery (MIS)

This innovative guide focuses on the artificial sense of touch and its application in medicine and surgery. It explains the five natural senses in human beings and then explores the variety of tactile sensors and their potential for medicine.

Key Features:

- Introduces the concept of haptics and its applications in telesurgical operations, and familiarises readers with surgical simulators and the role of haptics and artificial touch in improving their performance.
- 16 page Color Insert

Market:

Graduate/PhD textbook for the students studying in the field of biomedical engineering, Professionals in healthcare-related fields, such as medical doctors, designers of surgical tools, and researchers interested in understanding the latest developments in the field of artificial touch and the fundamental concepts of manufacturing or employing various artificial tactile systems.

Author Biography:

Siamak Najarian, Ph.D., is Professor and Dean of the Faculty of biomedical engineering at Amirkabir University of Technology.

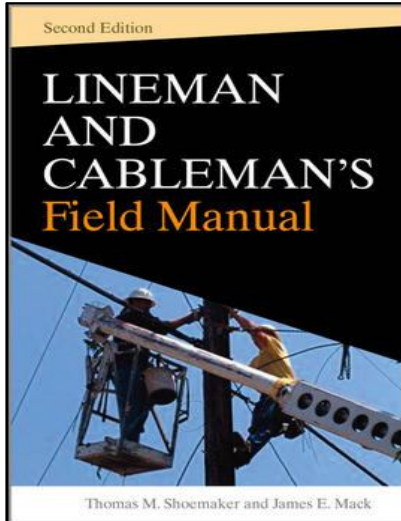
Javad Dargahi, Ph.D., is an Associate Professor in the department of mechanical engineering at the University of Concordia.

Ali Abouei Mehrizi is presently working on his Ph.D. in the field of artificial tactile sensing.

Lineman and Cablemans Field Manual, Second Edition

Thomas Shoemaker, James Mack

Imprint: MCGRAW-HILL PROFESSIONAL



Pub Date: March 2009
ISBN: 9780071621212
Format: Hardcover
Subject Area: Electrical
Pages: 416
Price: AUS\$ 95.00/ NZ\$ 105.00
Trim: 15.2 x 22.9 cm

Description:

Updated NEC and OSHA codes and standards and much more

Completely revised and updated, the second edition of *Lineman's and Cableman's Field Manual* is a compact, portable guide containing crucial electrical data, calculations, and code information that are essential at any jobsite. The second edition of this indispensable resource presents vital coverage of grounding, protective grounds, and safety equipment and rescue.

Key Features:

- New to this edition new electrical equipment maintenance procedures and methods, new data tables
- Coverage of fiber optic cable

Market:

Linemen and Cablemen, People dealing with electricals and electronic safety.

Author Biography:

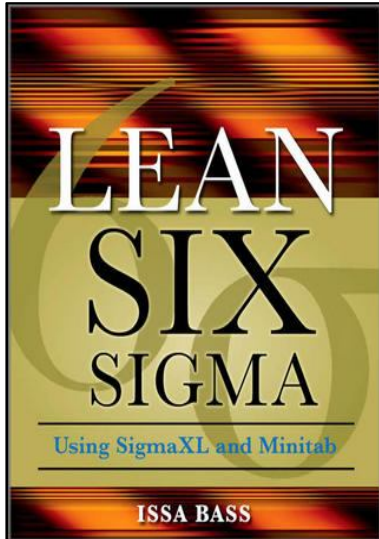
Thomas M. Shoemaker is a consulting electrical engineer and Lifetime Senior Member of the IEEE.

James E. Mack is Manager of Operations Support at the Mid-American Energy Company and a member of the IEEE and NSPE.

Lean Six Sigma: Using SigmaXL and Minitab

Issa Bass

Imprint: MCGRAW-HILL PROFESSIONAL



Pub Date: March 2009
ISBN: 9780071621304
Format: Paperback
Subject Area: Technical Maths
Pages: 350
Illustrations: 100
Price: AUS\$ 50.00/ NZ\$ 60.00
Trim: 18.8 x 23.5 cm

Description:

A complete guide to Lean Six Sigma statistical and analytical methods plus expert coverage of SigmaXL and Minitab - two of today's most popular analytical programs.

Lean Six Sigma is the most effective methodology for enhancing business performance through quality improvement and customer satisfaction. This book provides a complete guide to Lean Six Sigma statistical and analytical methods, plus coverage of SigmaXL and Minitab, two of today's most popular analytical programs. Filled with more than 100 real-life examples, this expert resource covers Lean topics ranging from basic data analysis to complex Design of Experiment and Measurement System Analysis. Readers will learn about tools used in Lean Six Sigma such as Statistical Process Control, Taguchi Method and Process Capability Analysis and get practice examples on an affiliated website.

Key Features:

- Covers a broad range of Lean topics, ranging from basic data analysis to complex Design of Experiment (DOE)
- Details the tools being used in Lean Six Sigma - Statistical Process Control, Taguchi Method and Process Capability Analysis
- Focuses on Minitab and SigmaXL. The manufacturers of SigmaXL have reviewed the book and will be using this book for training purposes

Market:

Lean Six Sigma and Six Sigma Professionals and Practitioners, those aspiring to get their Six Sigma Black Belts and Quality Engineers.

Author Biography:

Issa Bass is the founding editor of SixSigmaFirst.com. He worked as a Quality Manager and Senior Operations Manager for Cingular Wireless and as a Six Sigma Master Black Belt and Six Sigma Project Manager for Kenco Group, Inc.