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Science & Technology Section



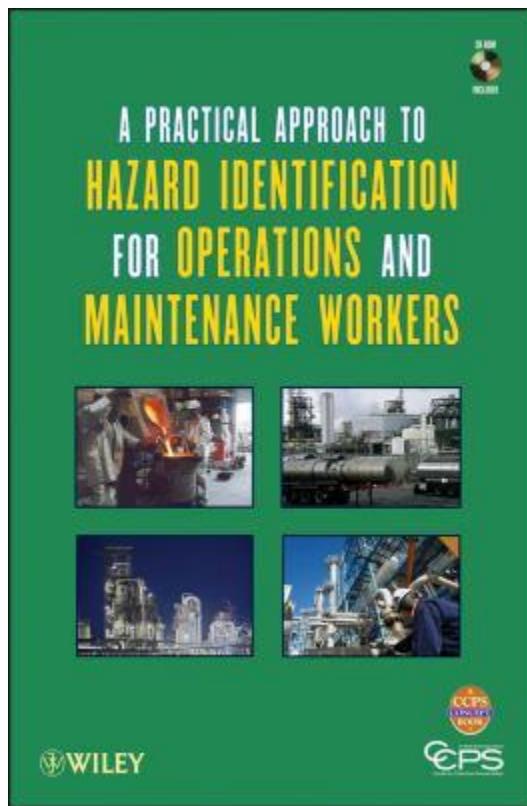
Acquisitions List: College of Engineering

Second Semester 2013

Department of Chemical Engineering

American Institute of Chemical Engineers. (2012). *Guidelines for engineering design for process safety*. 2nd ed. New York, NY : Center for Chemical Process Safety ; Hoboken, N.J. : Wiley. 660.2804 G92

American Institute of Chemical Engineers. (2010). *A practical approach to hazard identification: for operations and maintenance workers*. Hoboken, New Jersey: John Wiley & Sons, Inc. 660.2804 P88



Bansal, Narottam., Boccaccini, Aldo R. (2012). *Ceramics and composites processing methods*. Hoboken, N.J. : Wiley. 666 C33

Beckett, Stephen T. (2009). *The science of chocolate*. Cambridge, UK: RSC Publishing. 664.5 B38

Bhandari, Bhesh., Roos, Yrjö. *Food materials science and engineering*. Chichester, West Sussex, UK; Ames, Iowa : Wiley-Blackwell. 636.0852 F73

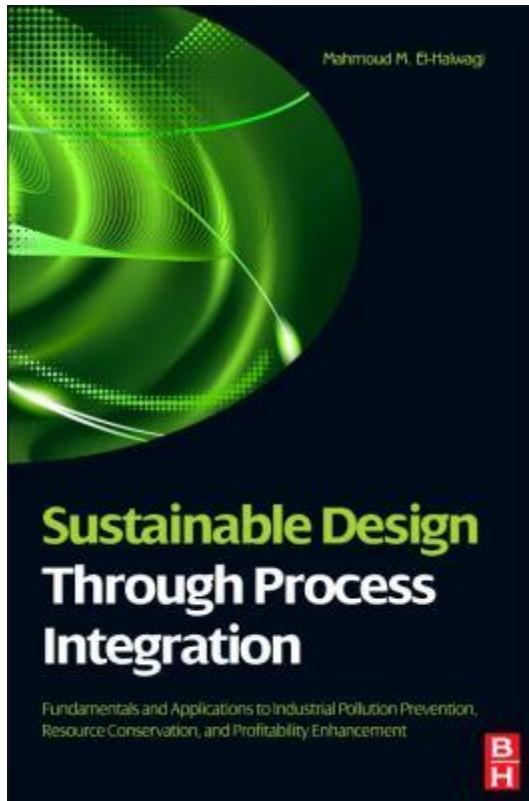
Biron, Michel. (2013). *Thermoplastics and thermoplastic composites*. 2nd ed. Amsterdam ; Oxford, UK: Elsevier/William Andrew. 668.423 B53

Chandan, Ramesh., Kilara, Arun (2013). *Manufacturing yogurt and fermented milks*. 2nd ed. Chichester, West Sussex ; Hoboken : Wiley-Blackwell. 637.146 M31

Copuer, James., et. al. (2012). *Chemical process equipment: selection and design*. 3rd ed. Amsterdam ; Boston : Elsevier/Butterworth-Heinemann. 660.286 C83

Ebnesajjad, Sina. (2013). *Plastic films in food packaging: materials, technology, and applications*. Amsterdam ; Oxford, UK : Elsevier/William Andrew. 668.495 P69

El-Halwagi, Mahmoud M. (2012). *Suitable design through process integration.: fundamentals and applications to industrial pollution prevention, resource conversation, and profitability enhancement*. Amsterdam, Boston: Elsevier Inc. 660.28 EI39



Fan, Xuetong., Sommers, Christopher H. (2013). *Food irradiation: research and technology*. New Delhi, India: John Wiley & Sons. 664.0288 F73

Fickelcherer, Richard J., Chester, Daniel L. (2013). *Optimal automated process fault analysis*. Hoboken, New Jersey : AIChE : Wiley, a John Wiley and Sons, Inc., Publication. 660.2815 F44

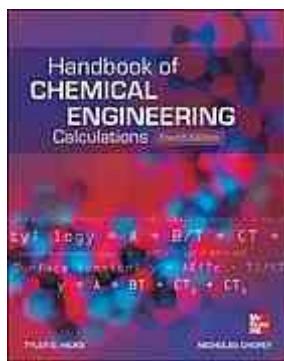
Gamenara, Daniela., et. al. (2013). *Redox biocatalysis: fundamentals and applications*. Hoboken, N.J.: Wiley. 660.634 G14

Gudgin Dickson, Eva F. (2013). *Personal protective equipment for chemical, biological, and radiological hazards*. Hoboken, N.J. : Wiley. 687.162 G93

Hendricks, David. (2011). *Fundamentals of water treatment unit process: physical, chemical, and biological*. Boca Raton : CRC Press. 628.162 H38

Herren, Ray V. (2013). *Introduction to biotechnology: an agricultural revolution*. 2nd ed. Australia: Delmar Cengage Learning®. 660.6 H43

Hicks, Tyler., Chopey, Nicholas P. (2012). *Handbook of chemical engineering calculations*. 4th ed. New York : McGraw-Hill. 660.02312 H19



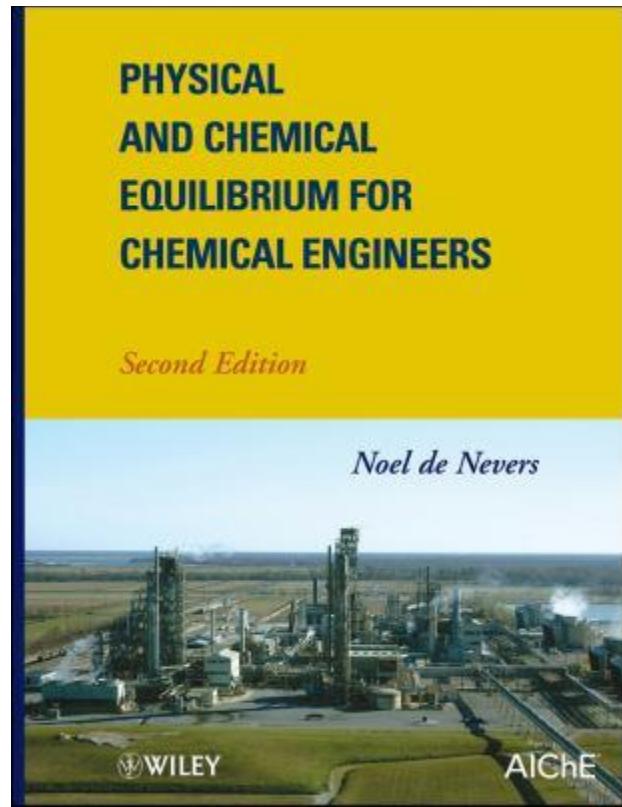
Institute of Food Science and Technology. (2013). *Food and drink: good manufacturing practice: a guide to its responsible management*. Chichester, West Sussex, UK ; Ames, Iowa, USA : Wiley-Blackwell. 664.0068 F73

Jong, Peter de. (2013). *Sustainable dairy production*. Chichester, UK : Wiley-Blackwell. 636.2142 Su82

Killcross, Martin. (2012). *Chemical and process plant commissioning handbook: a practical guide to plant system and equipment installation and commissioning*. Amsterdam; Boston : Elsevier/Butterworth-Heinemann. 660.28073 K55

Marsili, Ray. (2012). *Flavor, fragrance, and odor analysis*. 2nd ed. Boca Raton, London: CRC Press. 664.07 F61

Nevers, Noel de. (2012). *Physical and chemical equilibrium for chemical engineers*. Hoboken, New Jersey: John Wiley & Sons, Inc. 660.2969 D41



Ramaswamy, Shri., Huang, Hua-Jiang., Ramarao, Bandaru V. (2013). *Separation and purification technologies in biorefineries*. Chichester, UK : Wiley. 662.88 R14

Rangaiah, Gade Pandu., Kariwala, Vinay. (2012). *Plantwide control: recent development and applications*. Hoboken : Wiley. 660.2815 P69

Rice, Richard G., Do, Duong D. (2013). *Applied mathematics and modeling for engineers*. Burlington, MA : Jones & Bartlett Learning. 660.284015118 R36

Ricke, Steven C., et. al. (2012). *Organic meat production and processing*. Ames, Iowa : IFT Press/Wiley-Blackwell. 664.9 Or35

Rodrigues, Sueli., Fernandes, Fabiano Andre Narciso. (2012). *Advances in fruit processing technologies*. Boca Raton, FL : CRC Press. 664.8 Ad95

Schuck, Pierree., Dolivet, Anne., Jeantet, Romain. (2012). *Analytical methods for food and dairy powders*. Hoboken, N.J. : Wiley. 664.07 Sch78

Sengupta, Debalina., Pike, Ralph W. (2011). *Chemicals from biomass: integrating bioprocess into chemical production complexes for sustainable development*. Boca Raton : CRC Press, Taylor & Francis Group. 662.88 Se56

Siddiq, Muhammad. (2012). *Tropical and subtropical fruits: postharvest physiology, processing and packaging*. Ames, Iowa : Wiley-Blackwell. 664.8046 T75

Speegle, Michael. (2013). *Safety, health, and environmental concepts for the process industry*. 2nd ed. Australia ; Clifton Park, NY : Delmar, Cengage Learning. 660.2 Sp32

Thieman, William J., Palladino, Michael A. (2013). *Introduction to biotechnology*. 3rd ed. Boston: Pearson. 660.6 T34

Department of Mechanical Engineering

Incropera, Frank P., Dewitt, David P., Bergman, Theodore L., Lavine, Adrienne S. (2013). *Principles of heat and mass transfer*. 7th ed. Hoboken, NJ : Wiley. 621.4022 In21

Pytel, Andrew., Kiusalaas, Jaan. (2012). *Mechanics of materials*. 2nd ed. Australia : Cengage Learning. 620.112 P99

Vanek, Francis M., Albright, Louis D., Angenent, Largus T. (2012). *Energy systems engineering: evaluation and implementation*. 2nd ed. New York : McGraw-Hill. 621.4 V28

Department of Electrical & Electronic Communications Engineering

Bajorski, Peter. (2012). *Statistics for imaging, optics, and photonics*. Hoboken, N.J. : Wiley. 621.36015195 B16

Bandyopadhyay, M. N. (2006). *Electrical power system: theory and practice*. New Delhi, India : PHI Learning Private Limited. 621.3191 B22

Bates, Martin. (2011). *PIC microcontrollers: an introduction to microelectronics*. 3rd ed. Amsterdam ; Boston : Elsevier/Newnes. 629.895 B31.

Behling, Noriko Hikosaka. (2013). *Fuel cells: current technology challenges and future research needs*. Amsterdam ; Boston : Elsevier. 621.312429 B39

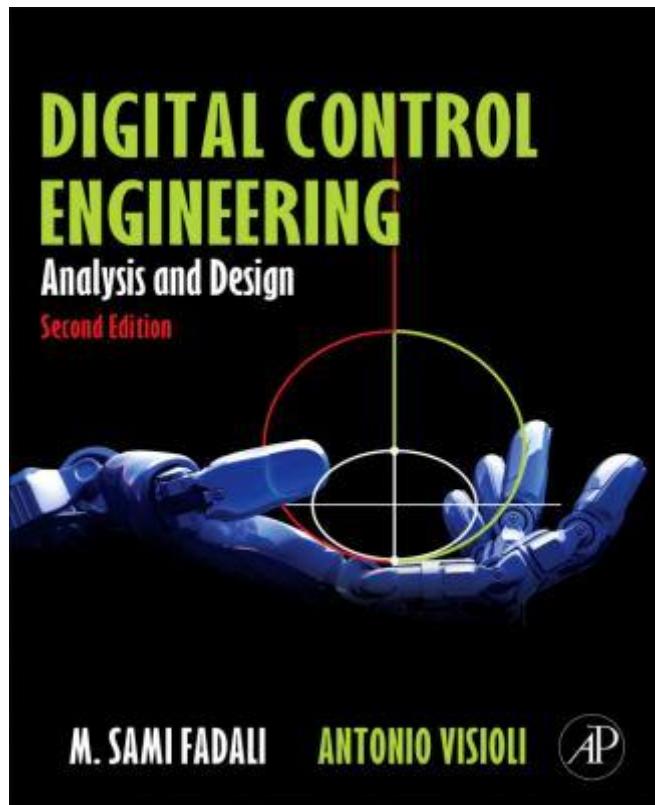
Chuler, Charles A. (2013). *Electronics : principles and applications*. 8th ed. New York, NY : McGraw-Hill. 621.381 Sch81

Couch, Leon W. II. (2013). *Digital and analog communication systems*. 8th ed. Boston : Pearson. 621.382 C83

Dugan, Roger C., McGranaghan, Mark F., Santoso, Surya., Beaty, H. Wayne. (2012). *Electrical power systems quality*. 3rd ed. New York : McGraw Hill. 621.3191 D87

Ellis, George. (2012). *Control system design guide: using your computer to understand and diagnose feedback controllers*. Amsterdam ; Elsevier/BH. 629.83 EI59

Fadali, M. Sami., Visioli, Antonio. (2013). *Digital control engineering: analysis and design*. 2nd ed. Amsterdam : Academic Press. 629.89 F12



Glover, J. Duncan., Sarma, Mulukutla S., Overbye, Thomas J. (2012). *Power system analysis and design*. 5th ed. Australia ; Stamford, CT : Cengage Learning. 621.319 G51

Harris, David Money., Harris, Sarah L. (2013). *Digital design and computer architecture*. 2nd ed. Amsterdam : Elsevier. 621.381 H24

Kay, Art. (2012). *Operational amplifier noise: techniques and tips for analyzing and reducing noise*. Amsterdam; Waltham, MA : Elsevier/Newnes. 621.395 K18

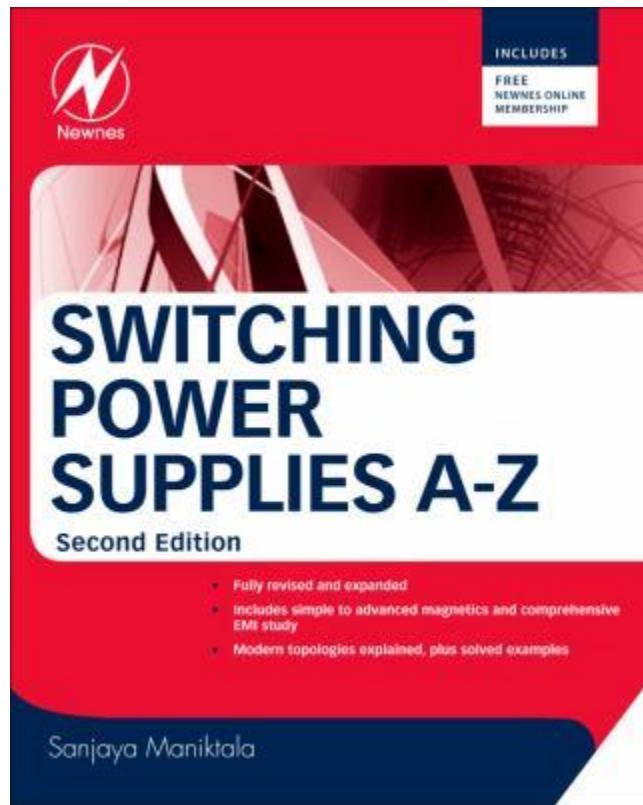
Kleitz, William. (2012). *Digital electronics: a practical approach with VHDL*. 9th ed. Boston : Pearson/Prentice Hall. 621.381 K67

Lewis, Frank. et. al. (2012). *Optimal control*. Hoboken : Wiley. 629.8312 L58

Liu, Chang. (2012). *Foundations of MEMS*. 2nd ed. Upper Saddle River, N.J. : Prentice Hall. 621.3 L74

Maheshwari, L.K., Anand, M.M.S. (2012). *Analog electronics*. New Delhi : PHI Learning. 621.381 M27

Maniktala, Sanjaya. (2012). *Switching power supplies A-Z*. 2nd ed. Amsterdam : Elsevier/Newnes. 621.317 M31



Mano, Morris M., Ciletti, Michael D. (2013). *Digital design: with an introduction to the Verilog HDL*. 5th ed. Upper Saddle River, NJ : Pearson. 621.395 M31

Meador, Don A. (2012). *Beginning digital from a VHDL perspective*. Australia : Delmar Cengage Learning. 621.392 M46

Miller, Scott., Childers, Donald. (2012). *Probability and random processes*. 2nd ed. Amsterdam : Elsevier/Academic Press. 621.38220151 M61

Minoli, Daniel. (2012). *Linear and non-linear video and TV applications: using IPv6 and IPv6 multicast*. Hoboken, N.J. : Wiley. 621.38807 M66

Oshana, Robert. (2012). *DSP for embedded and real-time systems: expert guide*. Amsterdam Boston : Elsevier/Newnes. 621.3822 D84

Proakis, John G., Salehi, Masoud., Bauch, Gerhard. (2013). *Modern communication systems using MATLAB*. 3rd ed. Amsterdam : Elsevier. 621.38216 P94

Razavi, Behzad. (2012). *Design of integrated circuits for optical communications*. 2nd ed. Hoboken, New Jersey : Wiley. 621.3827 R21

Sandige, Richard S., Sandige, Micahel L. (2012). *Fundamentals of digital and computer design with VHDL*. New York : McGraw-Hill. 621.392

Schlögl, Robert. (2013). *Chemical energy storage*. Berlin : De Gruyter. 621.31242 C42

Weng, Qihao. (2012). *An introduction to contemporary remote sensing*. New York : McGraw-Hill.
621.3678 W48

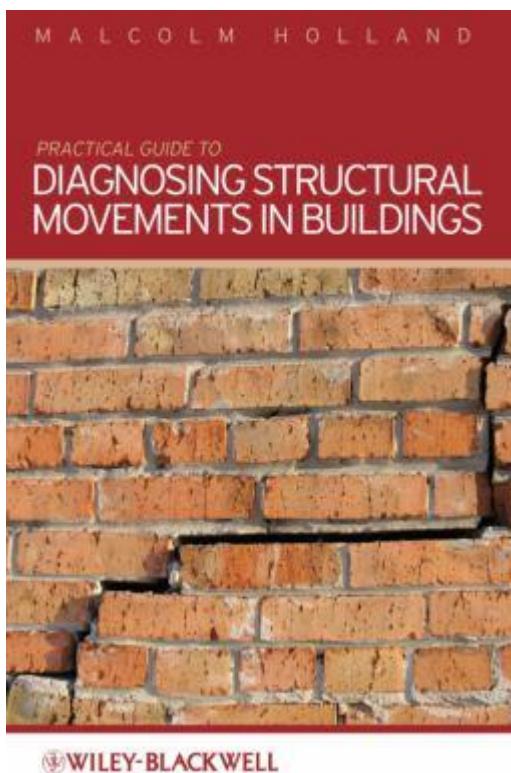
Department of Civil Engineering

Cashman, Pat M., Preene, Martin. (2013). *Groundwater lowering in construction: a practical guide to dewatering*. 2nd ed. Boca Raton, FL : CRC Press Taylor & Francis Group. 624.15 C26

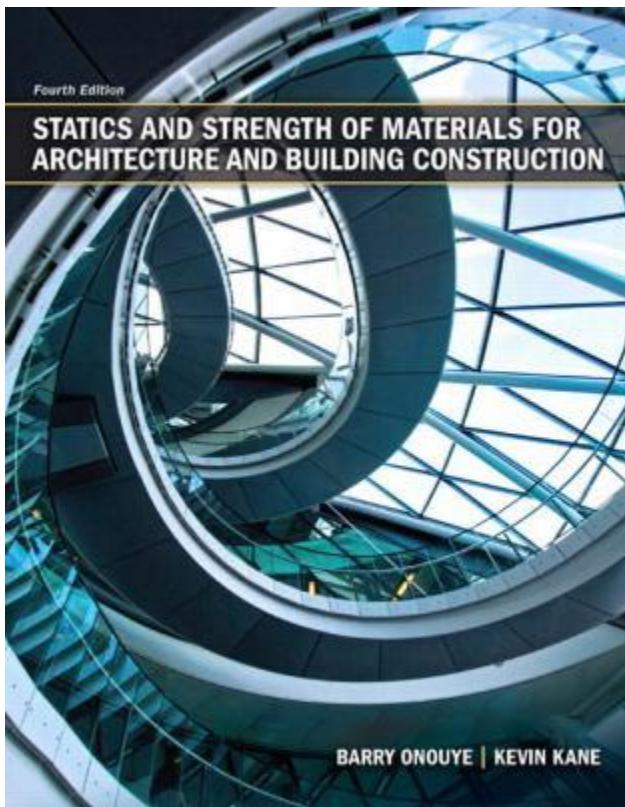
Ching, Francis D.K., Winkel, Steven R. (2012). *Building codes illustrated: a guide to understanding the 2012 international building code®*. 690.0218 C44

Goetsch, David L. (2013). *Construction safety and health*. 2nd edition. Boston : Pearson. 690.22 G55

Holland, Malcolm. (2012). *Practical guide to diagnosing structural movement in buildings*. Chichester, West Sussex, UK ; Ames, Iowa : Wiley-Blackwell. 690.21 H71



Onouye, Barry., Kane, Kevin. (2012). *Statistics and strength of materials for architecture and building construction*. 4th ed. Boston, Prentice Hall: Pearson Education Inc. 624.1771 On6



Riffat, Rumana. (2013). *Fundamentals of wastewater treatment and engineering*. Boca Raton, Fla. ; London : IWA Publishing/CRC Press. 628.162 R44

Schoon, John G. (2010). *Pedestrian facilities: engineering and geometric design*. London : Thomas Telford. 625.88 Sch65

True, Graham F. (2012). *Decorative and innovative use of concrete*. Scotland, UK : Whittles Publishing ; distributed in North America by CRC Press. 620.136 T76

Department of Industrial Engineering

Lewis, Richard J. Sr. (2012). *SAX's dangerous properties of industrial materials*. 12th ed. Hoboken, New Jersey : Wiley. 604.7 L58. 5 volumes

Salvenry, Gavriel. (2012). *Handbook of human factors and ergonomics*. Hoboken, New Jersey: John Wiley & Sons. Inc. 620.82 H19

General Engineering

Agrawal, Basant, Agrawal, C.M. (2012). *Engineering graphics*. New Delhi : Tata McGraw-Hill Education. 604.2 Ag81

Wei, James. (2012). *Great inventions that changed the world*. Hoboken, New Jersey : Wiley/A John Wiley & Sons, Inc., Publication. 600 W42

Engineering Mathematics

Etter, Delores M. (2013). *Engineering problem solving with C*. 4th ed. Boston: Pearson.
620.002855133 Et75

Holman, J. P. (2012). *Experimental methods for engineers*. 8th ed. Boston : McGraw-Hill/Connect Learn Succeed. 620.0078 H73

Logan, Daryl L. (2012). *A first course in the finite element method*. 5th ed. Australia ; Stamford, CT : Cengage Learning. 620.00151535 L82

Singh, Kuldeep. (2011). *Engineering mathematics through applications*. 2nd ed. Basingstoke, England: Palgrave Macmilla. 620.00151 Si64

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— Quoted in Bar Hebraeus' *Ethicon*
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