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Science & Technology Section



Acquisitions List: College of Engineering

2nd Semester 2014-2015

Special Issue

Chemical Engineering and Related Subjects

Bahadori, A., & John Wiley & Sons. (2014). *Corrosion and materials selection: a guide for the chemical and petroleum industries*. Chichester, West Sussex, U.K: John Wiley & Sons, Ltd. 660.28304/B14

Boodhoo, K., & Harvey, A. (2013). *Process intensification for green chemistry: engineering solutions for sustainable chemical processing*. Chichester, West Sussex, U.K: John Wiley & Sons Inc. 628/P94

Free, M. (2013). *Hydrometallurgy: fundamentals and applications*. Hoboken, New Jersey: TMS-Wiley. 669.0283/F87

Guo, B. (2014). *Offshore pipelines: design, installation, and maintenance*. Waltham, MA: Gulf Professional Publishing. 665.544/G95

Han, J. H. (2014). *Innovations in food packaging*. 2nd ed. London: Academic Press. 664.909/ln6

Jackson, R. S. (2014). *Wine science: principles and applications*. 4th ed. London : Academic Press. 663.2/J13

Kennes, C., Kennes, C., & Veiga, M. C. (2013). *Air pollution prevention and control: bioreactors and bioenergy*. Chichester, West Sussex: Wiley. 628.536/Ai71

Lelieveld, H. L. M., In Holah, J. T., & In Napper, D. (2014). *Hygiene in food processing: principles and practice*. 2nd ed. Oxford: Woodhead Publishing. 664/H99

Norton, T., Tiwari, B. K., & Holden, N. (2014). *Sustainable food processing*. Chichester, West Sussex, U.K: John Wiley & Sons Inc. 664/Su82

Tillman, D. A., Duong, D., & Harding, N. S. (2012). *Solid fuel blending: principles, practices, and problems*. Oxford: Elsevier, Butterworth-Heinemann.
662.623/T46

Tuteja, N., & In Gill, S. S. (2014). *Climate change and abiotic stress tolerance*. Weinheim, Germany: Wiley Blackwell. 632.1/C61 2v.

Civil Engineering and Related Subjects

Ashworth, A., Hogg, K., & Higgs, C. (2013). *Willis' practice and procedure for the quantity surveyor*. Chichester, West Sussex, U.K: John Wiley & Sons Inc.
692.50941/As39

Chandrappa, R., & Das, D. B. (2014). *Sustainable and water engineering: theory and practice*. Chichester, West Sussex, U.K: John Wiley & Sons, Inc.
628.10286/C36

Ching, F. D. K. (2014). *Building construction illustrated*. 5th ed. Hoboken, New Jersey : Wiley. 690/C44 2014

Clark, R. N. (2014). *Small wind: planning and building successful installations*. Waltham, MA: Academic Press. 621.312136/C54

Coduto, D. P. (2014). *Foundation design: principles and practices*. 2nd ed. Upper Saddle River, NJ: Prentice Hall. 624.15/C64

Day, K. W., Aldred, J., & Hudson, B. (2013). *Concrete mix design, quality control and specification*. 4th ed. Boca Raton, [Florida]: CRC Press/Taylor & Francis.
620.136/D33

Delatte, N. J. (2014). *Concrete pavement design, construction, and performance*. 2nd ed. Hoboken: Taylor and Francis. 625.84/D37

Desai, C. S., & Zaman, M. (2013). *Advanced geotechnical engineering: Soil-structure interaction using computer and material models*. Boca Raton, [Florida]: CRC Press/Taylor & Francis. 624.15136/D45

Dobretsov, S., In Thomason, J., & In Williams, D. N. (2014). *Biofouling methods*. United Kingdom: John Wiley & Sons, Inc. 628.96/B52

Eslamian, S. (2014). *Handbook of engineering hydrology: fundamentals and applications*. Boca Raton, FL: CRC Press, Taylor & Francis Group. 627/H19

- Hiscock, K. M., & Bense, V. F. (2014). *Hydrogeology: principles and practice*. 2nd ed. Chichester, West Sussex: John Wiley & Sons, Inc. 551.49/H62
- Kramer, S. L. (2014). *Geotechnical earthquake engineering*. Chichester, West Sussex: John Wiley & Sons, Inc. 624.1762/K86
- Labi, S. (2014). *Introduction to civil engineering systems: a systems perspective to the development of civil engineering facilities*. Hoboken, New Jersey: Wiley. 624/L11
- Lewis, B. (2014). *Small dams: planning, construction and maintenance*. Boca Raton, Fla: CRC Press. 627.8/L58
- Marshall, D. (2014). *Understanding housing defects*. 4th ed. Abingdon, Oxon: Estates Gazette. 690.8/M35
- Nollet,L.M.L.&In De,G.L.(2014). *Handbook of water analysis*. 3rd ed. Boca Raton: CRC Press, Taylor & Francis Group. 628.161/H19
- Novak, C. A., Van, G. E., & DeBusk, K. M. (2014). *Designing rainwater harvesting systems: integrating rainwater into building systems*. Hoboken, New Jersey: John Wiley & Sons. 628.142/N85
- Penelis, G. G., & Penelis, G. G. (2014). *Concrete buildings in seismic regions*. Boca Raton: CRC Press. 693.852/P37
- Read, J. R. L., In Beale, G., & Commonwealth Scientific and Industrial Research Organization (Australia). (2013). *Guidelines for evaluating water in pit slope stability*. Collingwood, Vic: CSIRO Publishing. 622.292/G94
- Schaufelberger, J., & Lin, K.-Y. (2013). *Construction project safety*. Hoboken, New Jersey: Wiley. 690.22/Sch19
- Sogge, R. L. (2012). *Solutions for soil and structural systems using Excel and VBA programs*. Chichester, West Sussex, U.K: Wiley. 624.151360285554/So24
- Syngellakis, S. (2013). *Retrofitting of heritage structures against earthquakes: design and evaluation of strengthening techniques*. Southampton: WIT Press. 624.1762/R31
- Tojo, S., & Hirasawa, T. (2014). *Research approaches to sustainable biomass systems*. Oxford: Academic Press. 662.9/T57
- Vallero, D. A. (2014). *Fundamentals of air pollution*. 5th ed. Amsterdam ; Boston : Elsevier. 628.53/V24

Winch, G. (2010). *Managing construction projects: an information processing approach*. 2nd ed. Chichester, West Sussex, U.K: Blackwell Pub. 690.068/W72

Xu, Y.- L. (2013). *Wind effects on cable-supported bridges*. Singapore: Wiley. 624.252/X8

Computer Engineering and Related Subjects

Abbadi, I. M. (2014). *Cloud management and security*. Chichester, West Sussex, United Kingdom: John Wiley & Sons Inc. 004.6782/Ab19

Anderson, R. K. (2013). *Visual data mining: the VisMiner approach*. Chichester, West Sussex, U.K: Wiley. 006.312/An23

Appel, A. W. (2014). *Program logics for certified compilers*. New York, NY: Cambridge University Press. 005.14/Ap48

Bradley, J. C., & Millspaugh, A. C. (2009). *Programming in Visual Basic 2008*. Boston: McGraw-Hill Higher Education. 005.2762/B72p

Brady, J. A., Monk, E. F., & Cook, G. (2013). *Problem solving cases in Microsoft Access and Excel*. 11th ed. Mason, Ohio: South-Western. 005.7565/M74

Dean, J., & Dean, R. (2013). *Introduction to programming with Java: a problem solving approach*. 2nd ed. New York: McGraw-Hill. 005.2762/D34

Dejong, S. M. (2013). *Blogs and tweets, texting and friending: social media and online professionalism in health care*. Amsterdam: Academic Press Inc. 006.754/D36

Dingyü, X., & Chen, Y. Q. (2014). *System simulation techniques with MATLAB and Simulink*. Chichester, West Sussex, United Kingdom: John Wiley & Sons Inc. 620.0028553/X81

Douglass, B. P. (2014). *Real-time UML workshop for embedded systems*. Amsterdam: Newnes. 005.2732 /D74

Farrell, J. (2014). *Java programming*. 7th ed. Australia: Course Technology / Cengage Learning. 005.133/F24

Feiler, J. (2014). *iOS app development for dummies*. Hoboken, NJ: John Wiley & Sons, Inc. 005.25/T32

Felfernig, A. (2014). *Knowledge-based configuration: from research to business cases*. Amsterdam: Morgan Kaufmann is an imprint of Elsevier. 006.33/K76

- Ford, J. L. (2014). *Scratch 2.0 programming for teens*. 2nd ed. Boston, MA: Cengage Learning PTR. 005.133/F75
- Gerbing, D. W. (2014). *R data analysis without programming*. New York: Routledge, Taylor & Francis Group. 519.502855133 /G31
- Goransson, P., & Black, C. (2014). *Software defined networks: a comprehensive approach*. Amsterdam: Morgan Kaufmann, an imprint of Elsevier. 004.6/G65
- Gratton, D. A. (2013). *The handbook of personal area networking technologies and protocols*. Cambridge, U.K: Cambridge University Press. 004.62 G77
- Halpin, H., & In Monnin, A. (2014). *Philosophical engineering: toward a philosophy of the web*. Chichester, West Sussex, UK : Wiley/Blackwell. 004.678/P54
- Hanly, J. R. (2014). *C program design for engineers*. 2nd ed. England: Pearson Education. 005.133/H19
- Jacobs, J. (2014). *Data-driven security: analysis, visualization and dashboards*. Indianapolis, IN: Wiley. 005.8/J15
- Johnson, J. (2014). *Designing with the mind in mind: simple guide to understanding user interface design guidelines*. 2nd ed. Amsterdam ; Boston : Elsevier, Morgan Kaufmann is an imprint of Elsevier. 005.437/J63
- Law, A. M. (2015). *Simulation modeling and analysis*. 5th ed. New York: McGraw-Hill. 003.3/L41 2015
- Knapp, D. (2014). *A guide to service desk concepts*. 4th ed. Boston, Massachusetts: Course Technology Cengage Learning. 004.0688/K72
- Malin, C. H., Casey, E., Aquilina, J. M., & Rose, C. W. (2014). *Malware forensics field guide for Linux systems*. Amsterdam: Elsevier. 005.84/M29
- Meduna, A. (2014). *Formal languages and computation: models and their applications*. Boca Raton: Taylor & Francis/CRC Press. 005.131/M46
- Mena, J. (2013). *Data mining mobile devices*. Boca Raton: Taylor & Francis. 006.312/M52
- Mendoza, A. (2013). *Mobile user experience: patterns to make sense of it all*. Amsterdam ; Boston: Elseviers/Morgan Kaufmann. 004/M52
- Moffett, J. (2014). *Bridging UX and web development: better results through team integration*. Burlington, Vermont: Elsevier Science. 006.70684 /M72

Multimedia and webpage design.(2014).United Arab Emirates : 3G eLearning.
006.7/M91

Neapolitan, R. E. (2015). *Foundations of algorithms*. 5th ed. Burlington, MA: Jones & Bartlett Learning. 518.1/N27

Nettleton, D. (2014). *Commercial data mining: processing, analysis and modeling for predictive analytics projects*. Amsterdam: Elsevier/Morgan Kaufman.
006.312/N38

Reifer, D. J. (2014). *Software war stories: case studies in software management*. Hoboken, New Jersey: IEEE Computer Society, Wiley. 005.14/R27

Robinson, A. (2014). *Raspberry Pi projects*. Chichester, West Sussex, United Kingdom: John Wiley & Sons Ltd. 004.16/R56

Sebastian-Coleman, L. (2013). *Measuring data quality for ongoing improvement: a data quality assessment framework*. Burlington: Elsevier Science. 005.73/C67

Shelly, Gary B. (1999). *HTML introductory concepts and techniques*. Cambridge, Mass.: Course Technology. 005.72/Sh43

Shema, M. (2014). *Anti-hacker tool kit*. 4th ed. New York: McGraw-Hill Education.
005.8/Sh44

Simmons, J. P. (2014). *Electrical grounding and bonding*. 4th ed. Australia: Delmar Cengage Learning. 621.317/Si47

Stallings, W., & Case, T. (2013). *Business data communications: infrastructure, networking and security*. 7th ed. Boston: Pearson. 004.6/St18

Suh, J. W., & Kim, Y. (2014). *Accelerating Matlab with GPU computing: a primer with examples*. Waltham, MA: Morgan Kaufmann. 006.6/Su36

Suryn, W. (2013). *Software quality engineering: a practitioner's approach*. Hoboken: Wiley.Boca Raton: CRC Press, Taylor & Francis Group. 005.14/Su79

Tan, P.-N., Steinbach, M., & Kumar, V. (2014). *Introduction to data mining*. 1st ed. Essex: Pearson. 006.312/T15

Tanenbaum, A. S. (2014). *Modern operating systems*. 3rd ed. Harlow, Essex : Pearson.
005.43/T15

Vacca, J. R. (2014). *Network and system security*. 2nd ed. Waltham, Mass: Syngress.
005.8 N38

Villaflorita, A. (2014). *Introduction to software project management*. Boca Raton: CRC Press, Taylor & Francis Group. 005.1068 /V71

Wentk, R. (2014). *Raspberry Pi*. Indianapolis, IN: John Wiley & Sons, Inc. 004.165/W48

West, R., & Turner, L. H. (2014). *Introducing communication theory: analysis and application*. 5th ed. New York: McGraw Hill Higher Education. 003.54/W52

Wiegers, K. E., & Beatty, J. (2013). *Software requirements*. 3rd ed. Redmond, Washington: Microsoft Press. 005.1/W63

Wolf, M. (2014). *High performance embedded computing: Applications in cyber-physical systems and mobile computing*. 2nd ed. Amsterdam; Boston: Elsevier/Morgan Kaufmann Publishers. 006.22/W83

Yiu, J. (2013). *The definitive guide to ARM Cortex-M3 and Cortex-M4 processors*. 3rd ed. Amsterdam; Boston: Elsevier/Newnes. 004.6782/Ab20

Electrical & Electronics Communications Engineering and Related Subjects

Ahmadi, S. (2014). *LTE-advanced: a practical systems approach to understanding 3GPP LTE releases 10 and 11 radio access technologies*. Oxford, UK: Academic Press. 621.38456/Ah51

Bergeron, B. P., & Talbot, T. B. (2014). *Androids: build your own lifelike robots*. New York: McGraw Hill Education. 629.892/B45

Bliss, D. W., & Govindasamy, S. (2013). *Adaptive wireless communications: MIMO channels and networks*. Cambridge: Cambridge University Press. 621.384/B61

Caputo, A. C. (2014). *Digital video surveillance and security*. 2nd ed. Amsterdam: Butterworth-Heinemann. 621.38928 /C17

Crawley, G. M. (2013). *The World scientific handbook of energy*. New Jersey: World Scientific. 621.042/W89

Eisencraft, M., Attux, R. R., & Suyama, R. (2014). *Chaotic signals in digital communications*. Boca Raton, [Florida]: Taylor & Francis ;CRC Press, 621.3822/C36

Eroglu, A. (2013). *RF circuit design techniques for MF-UHF applications*. Boca Raton, FL: CRC Press, Taylor & Francis Group. 621.38412/Er68

- Femia, N. (2013). *Power electronics and control techniques for maximum energy harvesting in photovoltaic systems*. Boca Raton: CRC Press, Taylor & Francis Group. 621.31244/F34
- Franco, Serfio. (2015). *Design with operational amplifiers and analog integrated circuits*. 4th ed. London: McGraw-Hill Education - Europe. 621.3815/F84
- Giannakopoulos, T., & Pikrakis, A. (2014). *Introduction to audio analysis: A MATLAB® approach*. Oxford: Academic Press. 620.2/G34
- Gibson, J. D. (2013). *Mobile communications handbook*. 3rd ed. Boca Raton, FL: CRC Press, Taylor & Francis Group. 621.3845/M71
- Gurevich, V. (2014). *Power supply devices and systems of relay protection*. Boca Raton: CRC Press. 621.381044/G96
- Hecht, J. (2008). *Understanding lasers: an entry-level guide*. 3rd ed. Piscataway, NJ: IEEE Press. 621.366/H35
- Huber, D. M., & Runstein, R. E. (2014). *Modern recording techniques*. 8th ed. New York: Focal Press Taylor & Francis Group. 621.3893/H86
- Khartchenko.N.V.Khartchenko.V.M.(2014). *Advanced energy systems*. 2nd ed. Boca Raton: CRC Press Taylor & Francis Group. 621.042/K52
- Kizer, G. M. (2013). *Digital microwave communication: engineering point-to-point microwave systems*. Hoboken, New Jersey: Wiley. 621.382/K65
- Li, J., Wu, X., & Laroia, R. (2013). *OFDMA mobile broadband communications: a systems approach*. Cambridge, United Kingdom: Cambridge University Press, 621.398/L61
- Maniktala.S.(2014). *Switching power supply design & optimization*. 2nd ed. New York: McGraw-Hill. 621.381044/M31
- Meijer, G. C. M., In Makinwa, K. A. A., & In Pertijs, M. A. P. (2014). *Smart sensor systems: emerging technologies and applications*. Southern Gate, Chichester, West Sussex, United Kingdom :John Wiley & Sons Inc. 681.2/Sm27
- Notaros, B. M. (2014). *MATLAB-based electromagnetics*. Upper Saddle River, NJ: Pearson Education. 621.34/N84
- Nourbakhsh, I. R. (2013). *Robot futures*. Cambridge, Mass: MIT Press. 629.892/N85
- Proakis, J. G., & Salehi, M. (2014). *Fundamentals of communication systems*. 2nd ed. Boston: Pearson. 621.382/P94

Programmable controllers. United Arabs Emerates: 3G Elearning FZ LLC. 629.89/P94

Rausand, M. (2014). *Reliability of safety-critical systems: theory and applications.* Hoboken: Wiley. 620.00452/R19

Rumsey.F.McCormick.T.(2014). *Sound and recording applications and theory.* 7th ed. New York: Focal Press Taylor & Francis Group. 621.3893/R86

Saha, S. K. (2014). *Introduction to robotics.* 2nd ed. New Delhi: McGraw Hill Education (India) Private Limited. 629.892/Sa19

Schaffarczyk, A., & Roth, G. (2014). *Understanding wind power technology: theory, deployment and optimisation.* Chichester, West Sussex: John Wiley & Sons. 621.312136 /Sch14

Silva, M. M., & In Monteiro, F. A. (2014). *MIMO processing for 4G and beyond: fundamentals and evolution.* Boca Raton: CRC Press. 621.38456/M91

Streetman, B. G., & Banerjee, S. (2015). *Solid state electronic devices.* 7th ed. Boston: Pearson. 621.38152/St83

Šonka, M., Hlavac, V., & Boyle, R. (2015). *Image processing, analysis, and machine vision.* 4th ed. Stamford, CT: Cengage Learning. 621.367/So58

Taur, Y., & Ning, T. H. (2009). *Fundamentals of modern VLSI devices.* 2nd ed. Cambridge, UK: Cambridge University Press. 621.395/T19

Tomal, D. R., & Agajanian, A. S. (2014). *Electronic troubleshooting.* 4th ed. New York: McGraw-Hill Education. 621.381540288 /T59

Industrial Engineering and Related Subjects

Burkey, M. L. (2013). *Game theory: anticipating reactions for winning actions.* 658.4012051593 /B91

Cacuci, D. G., Navon, I. M., & Ionescu-Bujor, M. (2013). *Computational methods for data evaluation and assimilation.* Boca Raton, FL: CRC Press. 519.538/C11

Cheng, C. (2014). *Theory of factorial design: single - and multi-stratum experiments.* Boca Raton: CRC Press, Taylor & Francis Group. 519.57/C42

Pinto, C. A., & Garvey, P. R. (2012). *Advanced risk analysis in engineering enterprise systems.* Boca Raton: CRC Press. 620.00681/P65

Mechanical Engineering and Related Subjects

Bai,Q,& Bai,Y.(2014). *Subsea pipeline design, analysis and installation*. Burlington: Elsevier Science. 621.867209162/B14

Dorfman, A. S. (2013). *Classical and modern engineering methods in fluid flow and heat transfer: an introduction for engineers and students*. New York, N.Y.] (222 East 46th Street, New York, NY 10017: Momentum Press. 620.106/D73

Erbisti, P. C. F. (2014). *Design of hydraulic gates*. 2nd ed. Boca Raton: CRC Press/Balkema. 627.882/Er19

Fai, L. C., & Wysin, G. M. (2013). *Statistical thermodynamics: understanding the properties of macroscopic systems*. Boca Raton: CRC Press, Taylor & Francis Group. 536.7015195/F14

Ganguli, R. (2013). *Gas turbine diagnostics: signal processing and fault isolation*. Boca Raton, Fla: CRC Press. 629.1343530287 /G15

Kraus, A. D., Kraus, A. D., Welty, J. R., & Aziz, A. S. (2012). *Introduction to thermal and fluid engineering*. Boca Raton: CRC/Taylor & Francis. 621.4021/K86

Londerville, S. B. (2013). *The Coen & Hamworthy combustion handbook: fundamentals for power, marine & industrial applications*. Boca Raton: CRC Press. 621.4023/C65

Mitchell, J. W., & Braun, J. E. (2013). *Principles of heating, ventilation, and air conditioning in buildings*. Hoboken, NJ: Wiley. 697/M69

Schobeiri, M. (2014). *Applied fluid mechanics for engineers*. New York: McGraw-Hill Education. 620.106/Sch61

Singh, M. D., & Joshi, J. G. (2006). *Mechatronics*. Delhi: Prentice-Hall of India. 621.3/Si64

Skills2Learn. (2014). *Solar thermal hot water*. Australia: Cengage Learning. 697.78/So42

Vignola, F., Michalsky, J., & Stoffel, T. L. (2012). *Solar and infrared radiation measurements*. Boca Raton, FL: CRC Press. 523.72 V68

Walker, K.M(2014). *Applied mechanics for engineering technology*. 8th ed. Essex, England: Pearson Education. 620.1/W15

Engineering Mathematics

Epperson, J. F. (2013). *Solutions manual to accompany: an introduction to numerical methods and analysis*. 2nd ed. Hoboken, New Jersey: John Wiley & Sons, Inc.
518/Ep73

Gerbing, D. W. (2014). *R data analysis without programming*. New York: Routledge, Taylor & Francis Group. 519.502855133 /G31

Navidi, W. C. (2014). *Statistics for engineers and scientists*. 4th ed. New York: McGraw-Hill. 519.5/N22

Schiesser, W. E. (2014). *Differential equation analysis in biomedical science and engineering: Ordinary differential equation applications with R*. Hoboken, New Jersey: John Wiley and Sons, Inc. 610.280285 /Sch32

Staff.E.B.Snider.A.D.(2014). *Fundamentals of complex analysis engineering, science, and mathematics*. 3rd ed. Harlow, Essex: Pearson Education Limited. 515/St13

Venkateshan, S. P., & Swaminathan, P. (2014). *Computational methods in engineering*. Kidlington, Oxford, UK: Academic Press. 620.00151/V55

Zill, D. G., Wright, W. S., & Cullen, M. R. (2013). *Differential equations: with boundary-value problems*. 8th ed. Boston, MA: Brooks/Cole, Cengage Learning.
515.35/Z65

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