



UNIVERSITY OF SAN CARLOS
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Science & Technology Section



Acquisitions List: COLLEGE OF ENGINEERING
FIRST SEMESTER 2014-2015

600 Technology (Applied sciences)

Friis, J. K. B. O., Pedersen, S. A., & Hendricks, V. F. (2009). *A companion to the philosophy of technology*. Chichester, UK: Wiley-Blackwell. 601/C73

Gitter, M., Anapol, S., & Glazer, E. (2000). *Do you remember technology?: Geeks, gadgets + gizmos*. San Francisco: Chronicle Books. 608/G44

620 Engineering & allied operations

Bai, M., Ih, J-G., & Benesty, J. (2013). *Acoustic array systems: theory, implementation, and application*. Singapore: John Wiley & Sons. 620.23 B17

Beer, F. P., Johnston, J. E. R., & Cornwell, P. J. (2013). *Vector mechanics for engineers: Dynamics*. 10th ed. in SI units. New York, N.Y: McGraw Hill Higher Education. 620.1054/B39

Benaroya, H., Han, S. M., & Nagurka, M. L. (2013). *Probabilistic models for dynamical systems*. 2nd ed. London: CRC Press. 620.00452015118/B43

Gindis, E. (2012). *Up and running with AutoCAD 2012*. Waltham, MA: Academic Press. 620.0042028553/G43

Jacobsen, F., & Juhl, P. M. (2013). *Fundamentals of general linear acoustics*. Chichester, West Sussex : John Wiley & Sons Inc. 620.2/J15

McKeen, L. W. (2012). *The effect of sterilization on plastics and elastomers*. 3rd ed. Norwich, N.Y: William Andrew. 620.19231/M19

621 Electrical/Electronic/Pneumatic

- Alonzo, R. J. (2010). *Electrical codes, standards, recommended practices and regulations: an examination of relevant safety considerations*. Amsterdam: William Andrew/Elsevier. 621.30289/AI72
- Brown, S., Vranesic, Z. (2014). *Fundamentals of digital logic with verilog design*. 3rd ed. Dubuque: McGraw – Hill Higher Education. 621.392/B81
- Çengel, Y. A. (2012). *Fundamentals of thermal-fluid sciences*. 4th ed. Singapore: McGraw-Hill. 621.402/C33
- Davim, J. P. (2011). *Mechatronics*. London: ISTE. 621/M46
- Dobkin, D. M. (2013). *The RF in RFID: UHF RFID in practice*. Amsterdam: Elsevier. 621.38/D65
- El-Samie, Abd Fathi E. (2013). *Image super-resolution and applications*. Boca Raton, FL: CRC Press. 621.367/EI74
- Hurley, W. G., & Wolfle, W. H. (2013). *Transformers and inductors for power electronics: theory, design and applications*. Hoboken: Wiley – Blackwell. 621.314/H93
- Kasap, S. O., & Sinha, R. K (2013). *Optoelectronics and photonics: principles and practices*. Harlow, Essex: Pearson Education. 621.381045/K15
- Kleiner, M. (2013). *Electroacoustics*. Boca Raton, FL: Taylor & Francis. 621.38/K67
- Kroupa, V. F. (2012). *Frequency stability: introduction and applications*. Piscataway, NJ: IEEE Press. 621.381323/K92
- Luo, F. L., & Ye, H. (2013). *Advanced DC/AC inverters: applications in renewable energy*. Boca Raton, FL: Taylor & Francis. 621.3815322/L97
- Lyons, R. G. (2012). *Streamlining digital signal processing: a tricks of the trade guidebook*. 2nd ed. Hoboken, H.J: Wiley. 621.3822/St83
- Masters, G. M. (2013). *Renewable and efficient electric power systems*. 2nd ed. Hoboken, New Jersey: John Wiley & Sons. 621.31/M39
- McEvoy, A. J., Castaner, L., & Markvart, T. (2012). *Solar cells: materials, manufacture and operation*. 2nd ed. Oxford: Academic Press. 621.31244/M15
- Ozenbaugh, R. L., & Pullen, T. M. (2012). *EMI filter design*. 3rd ed. Boca Raton, FL: CRC/Taylor & Francis. 621.3815324/Oz3
- Singh, R. P., & Sapre, S. D. (2012). *Communication systems: analog and digital*. 3rd ed. New Delhi: McGrawHill. 621.38212/Si64

Sørensen, B. (2012). *Hydrogen and fuel cells: emerging technologies and applications*. Oxford: Academic Press. 621.312429/So68

Todinov, M. T. (2013). *Flow networks: analysis and optimization of repairable flow networks, networks with disturbed flows, static flow networks and reliability networks*. Amsterdam: Elsevier. 621/T56

Tokheim, R. L. (2014). *Digital electronics: principles and applications*. London: McGraw – Hill. 621.381/T57

Umans, S. D., & Fitzgerald, A. E. (2014). *Firzgerald & Kingsley's electric machinery*. 7th ed. New York: McGraw- Hill Companies. 621.31042/Um1

Whitman, William C. (2012). *Refrigeration and air conditioning technology*. 7th ed. Clifton Park, N.Y.: Delmar. 621.56/W59

624 Civil engineering

Chopra, A. K. (2012). *Dynamics of structures: theory and applications to earthquake engineering*. 4th ed. Boston: Prentice Hall. 624.1762/C45

Das, D. M. (2014). *Principles of geotechnical engineering*. 8th ed. Australia: Cengage Learning. 624.15136/D26

Lam, D. (2014). *Structural steelwork: design to limit state theory*. 4th ed. Boca Raton: CRC Press. 624.1821/L16

Roy, D. K., & G, V. R. (2012). *Elements of structural dynamics: a new perspective*. Chichester, West Sussex, UK: Wiley. 624.171/R81

Sarsby, R. (2012). *Environmental geotechnics*. 2nd ed. London: Ice Publishing. 624.151/Sa76

Wang, C. Y., & Wang, C. M. (2014). *Structural vibration: exact solutions for strings, membranes, beams, and plates*. Boca Raton, Florida: CRC Press, Taylor & Francis Group. 624.176/W18

625 Engineering of railroads, roads

Manneling, F. L. Washburn, S. S. (2013). *Principles of highway engineering and traffic analysis*. 5th ed. Hoboken, New Jersey : Wiley. 625.37/M31

627 Hydraulic engineering

Chin, D. A. (2013). *Water-quality engineering in natural systems: fate and transport processes in the water environment*. Hoboken, N.J: Wiley. 627/C44

Roni, P., & Beenchie, T. J. (2013). *Stream and watershed restoration: a guide to restoring riverine processes and habitats*. Chichester, West Sussex: John Wiley & Sons. 627.5/R66

Singh, V. P. (2013). *Entropy theory applications in hydrological and environmental sciences*. Oxford: Wiley Blackwell. 627.0153673/Si64

628 Sanitary & municipal engineering

Beard, J. M. (2013). *Environmental chemistry in society*. 2nd ed. Boca Raton: CRC Press. 628/B38

Benjamin, M. M., & Lawler, D. F. (2013). *Water quality engineering: physical*. Hoboken: Wiley. 628.166/B43

Boulware, E. W. B. (2013). *Alternative water sources and wastewater management*. New York: McGraw – Hill. 628.1/B66

Dempsey, P., & Selby, T. (2013). *Do – it – yourself sustainable water projects: collect, store, purify, and drill for water*. New York: McGraw-Hill. 628.1/D39

Girard, J. (2013). *Principles of environment chemistry*. 3rd ed. Burlington, Mass: Jones & Barlett Learning. 628.50154/G44

Grigg, N. S. (2012). *Water, wastewater, and stormwater infrastructure management*. Boca Raton, FL: Taylor & Francis. 628.1/G87

Hvitved-Jacobsen, T., Vollertsen, J., & Nielsen, A. H. (2013). *Sewer processes: microbial and chemical process engineering of sewer networks*. Boca Raton: Taylor & Francis. 628.3/H99

Korres, N. E., O'Kiely, P., Benzie, J. A. H., & West, J. (2013). *Bioenergy production by anaerobic digestion*. Hoboken: Taylor and Francis. 628.746/B52

Voutchkov, N., Water Environment Federation & Water Reuse Association. (2013). *Desalination engineering: planning and design*. New York: McGraw – Hill. 628.167/V94

Wainwright, J., & Mulligan, M. (2013). *Environmental modelling: finding simplicity in complexity*. 2nd ed. Chichester, West Sussex: Wiley-Blackwell. 628/W13

629 Other branches of engineering

Delgrossi, L., & Zhang, T. (2012). *Vehicle safety communications: protocols, security, and privacy*. Hoboken, New Jersey: John Wiley & Sons, Inc. 629.276/D37

Karnopp, Dean. (2013). *Vehicle dynamics, stability, and control*. 2nd ed. Bosa Roca: Taylor & Francis Inc. 629.231/K14

Luo, Y., & Chen, Y. Q. (2013). *Fractional order motion controls*. Chichester, West Sussex, United Kingdom: John Wiley & Sons Ltd. 629.8/L97

Pickerill, Ken. (2014). *Classroom manual for automotive engine performance*. 6th ed. Delmar Cengage Learning. 629.25040288/P58

Robotics: Science and Systems Conference. (2013). *Robotics: Science and systems VIII*. Cambridge, Massachusetts : The MIT Press. 629.892/R57

630 Agriculture

Alford, D. V. (2012). *Pests of ornamental trees, shrubs and flowers a color handbook*. Boston: Elsevier Academic Press. 635.049/AI28

Cheeke, T. E., Coleman, D. C., & Wall, D. H. (2013). *Microbial ecology in sustainable agroecosystems*. Boca Raton: CRC Press. 631.46/M58

Gregory, P. J., & Nortcliff, S. (2013). *Soil conditions and plant growth*. Hoboken [N. J.: Willey – Blackwell. 631.4/So34

Rengel, Z. (2013). *Improving water and nutrient use efficiency in food production systems*. Ames, Iowa, USA: John Wiley & Sons. 631.582/Im7

Rich, S., & Benson, M. (2012). *Urban farms*. New York: Abrams. 635.977/R37

Seymour, G. B. (2013). *The molecular biology and biochemistry of fruit ripening*. Hoboken: Wiley. 634/M73

650 Management & auxiliary services

Coimbra, E. A. (2013). *Kaizen in logistics and supply chains*. New York: McGraw-Hill Education. 658.5/C66

Marchewka, J. T. (2013). *Information technology project management*. Hoboken, N.J: John Wiley & Sons. 658.4038/M33

660 Chemical engineering

Chen, X. D. (2013). *Modeling Drying Processes*. Cambridge University Press. 664.0284/C42

Cifuentes, A. (2013). *Foodomics: Advanced mass spectrometry in modern food science and nutrition*. Hoboken, NJ: Wiley. 664.07/F73

- Crichton, M. (2014). *Essentials of biotechnology*. Singapore: Alkem Company. 660.6/Es74
- Himmelblau, D. M., & Riggs, J. B. (2012). *Basic principles and calculations in chemical engineering*. 8th ed. Upper Saddle River, NJ: Prentice Hall. 660.2/H57
- Hunter, W., & Trimm, H. H. (2011). *Industrial chemistry: new applications, processes and systems*. Oakville, Ont: Apple Academic Press. 660/In28
- Law, V. J. (2013). *Numerical methods for chemical engineers using Excel, VBA, and MATLAB*. Boca Raton : CRC Press, Taylor & Francis Group. 660.0212/L41
- Matsoukas, Themis. (2013). *Fundamentals of chemical engineering thermodynamics (International edition)*. Upper Saddle River, NJ: Pearson Education International. 660/M42
- Moldoveanu, S., & David, V. (2013). *Essentials in modern HPLC separations*. Waltham, MA: Elsevier. 660.2842/M73
- Moreno, J., & Peinado, R. (2012). *Enological chemistry*. Amsterdam: Elsevier. 663.2/M81
- Sin, L. T., Rahmat, A. R., & Rahman, W. A. W. A. (2013). *Polylactic acid: PLA biopolymer technology and applications*. Oxford: William Andrew. 668.4/Si61
- Yang, S. -T., El, E. H., & Thongchul, N. (2013). *Bioprocessing technologies in biorefinery for sustainable production of fuels, chemicals, and polymers*. Hoboken, N. J: Wiley. 660.63/B52

670 Manufacturing

- El-Hofy, H. (2014). *Fundamentals of machining processes: conventional and nonconventional processes*. 2nd ed. Boca Raton: CRC Press. 671.35/EI39

680 Manufacture for specific uses

- Ambrose, G., & Harris, P. (2012). *Grids*. 2nd ed. Lausanne: AVA Academia. 686.2252/Am18
- Iniewski, K. (2013). *Smart sensors for industrial applications*. Boca Raton, FL: CRC Press, Taylor & Francis. 681.2/Sm27

690 Buildings

- Ostrowski, S. D. C. (2013). *Estimating and cost planning using the new rules of measurement*. Chichester, West Sussex, UK: Wiley-Blackwell. 692.5/Os7

Peurifoy, R. L., & Oberlender, G. D. (2014). *Estimating construction costs*. 6th ed. New York: McGraw Hill. 692.5/P46

Smith, L. (2013). *Mathematicals for plumbers and pipefitters*. 8th ed. Clifton Park, N. Y: Delmar. 696.101513/Sm51

Engineering Mathematics

O'Neil, P. V. (2012). *Advanced engineering mathematics*. 7th ed. Australia: Cengage Learning. 515.02462 On2 2012

Ghilani, C. D., Wolf, P. R., & Srinivasa, R. K. (2011). *Elementary surveying: an introduction to geomatics*. 13th ed. Boston Mass.: Pearson. 526.9 G32

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- - *Barbara Tuchman* - -