



BIBLIOGRAPHY

Mihir Sen
University of Notre Dame

August 27, 2010

Bibliography I

■ Textbook

- B.K. Hodge

Alternative Energy Systems and Applications
Wiley, New York, 2010.

■ 1009 textbook

- F.M. Vanek, L.D. Albright

Energy Systems Engineering: Evaluation and Implementation
McGraw-Hill, New York, NY, 2008.

■ Mechanics

- J.L. Meriam, L.G. Kraige

Engineering Mechanics, Vol. 2: Dynamics
5th Ed., Wiley, New York, NY, 2002.

■ Solid mechanics

Bibliography II

- K.F. Graff
Wave Motion in Elastic Solids
Ohio State University Press, Columbus, OH, 1975.
- B. Yang
Stress, Strain, and Structural Dynamics
Elsevier, Amsterdam, Netherlands, 2005.
- **Vibrations**
 - A.A. Shabana
Theory of Vibrations: An Introduction
2nd Ed., Springer, New York, NY, 1996.
- **Fluid mechanics**
 - F.M. White
Fluid Mechanics
4th Ed., WCB McGraw-Hill, Boston, MA, 1999.

Bibliography III

- R.W. Fox, P.J. Pritchard, A.T. McDonald
Introduction to Fluid Mechanics
7th Ed., Wiley, New York, NY, 2009.
- **Thermodynamics**
 - M.J. Moran, H.N. Shapiro
Fundamentals of Engineering Thermodynamics
5th Ed., Wiley, New York, NY, 2004.
- **Heat transfer**
 - R.H.S. Winterton
Heat Transfer
Oxford University Press, Oxford, UK, 2004.
 - F.P. Incropera, D.P. Dewitt, T.L. Bergman, A.S. Lavine
Introduction to Heat Transfer
5th Ed., Wiley, New York, NY, 2007.

Bibliography IV

■ **Electricity**

- A.E. Fitzgerald, D.E. Higginbotham, A. Grabel
Basic Electrical Engineering: Circuits, Electronics, Machines, Controls
5th Ed., McGraw-Hill, New York, NY, 1981
- R.D. Shultz, R.A. Smith
Introduction to Electric Power Engineering
Harper & Row, New York, NY, 1985
- P.C. Krause, O. Wasynczuk
Electromechanical Motion Devices
McGraw-Hill, New York, NY, 1989
- G. Rizzoni
Principles and Applications of Electrical Engineering
Irwin, Homewood, IL, 1993.

Bibliography V

- L.S. Bobrow
Fundamentals of Electrical Engineering
2nd Ed., Oxford University Press, New York, NY, 1996
- S.A. Nasar
Electric Energy Systems
Prentice Hall, Upper Saddle River, NJ, 1996
- **Energy**
 - J. Ramage
Energy: A Guidebook
Oxford University Press, Oxford, UK, 1983.
 - A.W. Culp, Jr.
Principles of Energy Conversion
2nd Ed., McGraw-Hill, New York, NY, 1991.

Bibliography VI

- N.V. Khartchenko
Advanced Energy Systems
Taylor & Francis, Washington, DC, 1998.
- (Ed.) G. Boyle, B. Everett, J. Ramage
Energy Systems and Sustainability
Oxford University Press, Oxford, UK, 2003.
- R.E. Putman
Industrial Energy Systems: Analysis, Optimization and Control
ASME, New York, NY, 2004.
- Eds. M. Kaltschmitt, W. Streicher, A. Wiese
Renewable Energy: Technology, Economics and Environment
Springer, Berlin, 2007.

Bibliography VII

- J. Andrews, N. Jelley
Energy Science: Principles, Technologies, and Impacts
Oxford University Press, Oxford, 2007.
- **Energy systems**
 - W.F. Stoecker
Design of Thermal Systems
3rd Ed., McGraw-Hill, New York, NY, 1989.
 - T.D. Eastop, D.R. Croft
Energy Efficiency for Engineers and Technologists
Longman, Harlow, UK, 1990.
 - B.K. Hodge
Analysis and Design of Energy Systems
2nd Ed., Prentice Hall, Englewood Cliffs, NJ, 1990.

Bibliography VIII

- L.C. Burmeister
Elements of Thermal-Fluid System Design
Prentice Hall, Englewood Cliffs, NJ, 1998.
- H. Perez-Blanco
The Dynamics of Energy: Supply, Conversion, and Utilization
CRC Press, Boca Raton, FL, 2009.
- **Nuclear energy**
 - D.J. Bennet, J.R. Thomson
The Elements of Nuclear Power
3rd Ed., Longman, Harlow, UK, 1989.
 - J.R. Lamarsh, A.J. Baratta
Introduction to Nuclear Engineering
3rd Ed., Prentice Hall, Upper Saddle River, NJ, 2001
- **Combustion**

Bibliography IX

- N. Chigier
Energy, Combustion and Environment
McGraw-Hill, New York, NY, 1981
- **Internal combustion engines**
 - R. Stone
Introduction to Internal Combustion Engines
2nd Ed., SAE, Warrendale, PA, 1992
 - W.W. Pulkrabek
Engineering Fundamentals of the Internal Combustion Engine
Prentice Hall, Upper Saddle River, NJ, 1997
- **Turbomachines**
 - E. Logan, Jr.
Turbomachinery: Basic Theory and Applications
Marcel Dekker, New York, NY, 1981

Bibliography X

- O.E. Balje
Turbomachines: A Guide to Design, Selection, and Theory
Wiley, New York, NY, 1981
- R.S.R. Gorla, A.A. Khan
Turbomachinery: Design and Theory
Marcel Dekker, New York, NY, 2003
- **Refrigeration and air-conditioning**
 - A.R. Trott
Refrigeration and Air-Conditioning
McGraw Hill, London, UK, 1981
 - R.J. Dossat
Principles of Refrigeration
3rd ed., Prentice Hall, Englewood Cliffs, NJ, 1991
- **Solar energy**

Bibliography XI

- (Ed.) A.A.M. Sayigh
Solar Energy Engineering
Academic Press, New York, NY, 1977.
- J.A. Duffie, W.A. Beckman
Solar Engineering of Thermal Processes
Wiley, New York, NY, 1980.
- J.S. Hsieh
Solar Energy Engineering
Prentice Hall, Englewood Cliffs, NJ, 1986.
- S.A. Kalogirou
Solar Energy Engineering: Processes and Systems
Academic Press, Burlington, MA, 2009.
- **Buildings**

Bibliography XII

- J.A. Clarke
Energy Simulation in Building Design
2nd Ed., Butterworth-Heinemann, Oxford, UK, 2001.
- J.F. Kreider, A. Rabi
Heating and Cooling of Buildings: Design for Efficiency
McGraw-Hill, New York, NY, 1994.
- R.H. Howell, H.J. Sauer, Jr., W.J. Coad
Principles of Heating, Ventilating, and Air Conditioning
ASHRAE, Atlanta, GA, 1998.
- F.C. McQuiston, J.D. Parker, J.D. Spitler
Heating, Ventilating, and Air Conditioning: Analysis and Design
5th Ed., Wiley, New York, NY, 2000.
- **Thermal control**

Bibliography XIII

- J.I. Levenhagen, D.H. Spethmann
HVAC Controls and Systems
McGraw-Hill, New York, NY, 1993
- C.P. Underwood
HVAC Control Systems: Modelling, Analysis and Design
Taylor & Francis, London, UK, 1999
- R.W. Haines, D.C. Hittle
Control Systems for Heating, Ventilating and Air Conditioning
6th Ed., Springer, New York, NY, 2006
- **Energy management**
 - B.L. Capehart, W.C. Turner, W.J. Kennedy
Guide to Energy Management
3rd Ed., Fairmont Press, Lilburn, GA, 2000.
- **Project one topics**

Bibliography XIV

- M.F. Hordeski
Dictionary of Energy Efficiency Technologies
Fairmont Press, Liburn, GA, 2004