



# Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering)

By Bhag S. Guru, Huseyin R. Hiziroglu

Download now

Read Online →

## Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) By Bhag S. Guru, Huseyin R. Hiziroglu

Designed for junior- and senior-level courses in electromechanical energy conversion, *Electric Machinery and Transformers, 3/e*, continues the strong pedagogical tradition established by its successful previous editions. It begins with a review of the fundamentals of circuit theory and electromagnetics and then introduces the concept of electromechanical energy conversion. The text not only provides a systematic development of a model for each electric machine based upon established principles and basic laws, but also introduces students to applications and advanced topics. It also includes information on the construction of each electric machine.

*Electric Machinery and Transformers, 3/e*, enhances student learning of the basic operating principles of electric machines by using numerous supporting examples, review questions, illustrations, exercises, and chapter summaries. It encourages intuitive reasoning for problem-solving over the rote memorization of equations and procedures.

This third edition covers the following main topics: principles of electromechanical energy conversion; transformers; direct-current generators and motors; synchronous generators and motors; polyphase induction motors and single-phase motors; the dynamics of electric machines; and special-purpose machines.

 [Download Electric Machinery and Transformers \(The Oxford Se ...pdf](#)

 [Read Online Electric Machinery and Transformers \(The Oxford ...pdf](#)

# Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering)

By Bhag S. Guru, Huseyin R. Hiziroglu

## Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering)

By Bhag S. Guru, Huseyin R. Hiziroglu

Designed for junior- and senior-level courses in electromechanical energy conversion, *Electric Machinery and Transformers, 3/e*, continues the strong pedagogical tradition established by its successful previous editions. It begins with a review of the fundamentals of circuit theory and electromagnetics and then introduces the concept of electromechanical energy conversion. The text not only provides a systematic development of a model for each electric machine based upon established principles and basic laws, but also introduces students to applications and advanced topics. It also includes information on the construction of each electric machine.

*Electric Machinery and Transformers, 3/e*, enhances student learning of the basic operating principles of electric machines by using numerous supporting examples, review questions, illustrations, exercises, and chapter summaries. It encourages intuitive reasoning for problem-solving over the rote memorization of equations and procedures.

This third edition covers the following main topics: principles of electromechanical energy conversion; transformers; direct-current generators and motors; synchronous generators and motors; polyphase induction motors and single-phase motors; the dynamics of electric machines; and special-purpose machines.

## Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering)

By Bhag S. Guru, Huseyin R. Hiziroglu Bibliography

- Sales Rank: #988839 in Books
- Brand: Oxford University Press, USA
- Published on: 2000-07-20
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 7.00" h x 1.60" w x 9.30" l, 3.08 pounds
- Binding: Hardcover
- 720 pages

 [Download Electric Machinery and Transformers \(The Oxford Se ...pdf](#)

 [Read Online Electric Machinery and Transformers \(The Oxford ...pdf](#)

**Download and Read Free Online Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) By Bhag S. Guru, Huseyin R. Hiziroglu**

---

## **Editorial Review**

### Review

"A well written book. The illustrations are excellent."--N.A. Anwah, Howard University

"Well organized text, clear language, well chosen problems."--Zdzislaw Jan Bochynski, New York Institute of Technology

"An excellent reference....Easy to read, well written with pertinent examples. The review questions are good and enough problems are given."--Ronald D. Bowman, Clemson University

### About the Author

Huseyin R. Hiziroglu is at Kettering University, MI.

## **Users Review**

### **From reader reviews:**

#### **Gary McIntosh:**

Do you have favorite book? In case you have, what is your favorite's book? Publication is very important thing for us to find out everything in the world. Each e-book has different aim or goal; it means that guide has different type. Some people really feel enjoy to spend their the perfect time to read a book. These are reading whatever they get because their hobby is actually reading a book. How about the person who don't like examining a book? Sometime, man feel need book once they found difficult problem or exercise. Well, probably you will want this Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering).

#### **Brain West:**

Spent a free time to be fun activity to try and do! A lot of people spent their down time with their family, or their friends. Usually they doing activity like watching television, planning to beach, or picnic inside park. They actually doing ditto every week. Do you feel it? Do you wish to something different to fill your current free time/ holiday? Could be reading a book could be option to fill your free time/ holiday. The first thing that you'll ask may be what kinds of reserve that you should read. If you want to try out look for book, may be the publication untitled Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) can be great book to read. May be it is usually best activity to you.

#### **Latricia Wynkoop:**

The particular book Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) has a lot info on it. So when you check out this book you can get a lot of benefit. The book was written by the very famous author. Tom makes some research ahead of write this book. That book very easy to read you may get the point easily after scanning this book.

**Curtis Waters:**

Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) can be one of your beginning books that are good idea. Many of us recommend that straight away because this reserve has good vocabulary which could increase your knowledge in vocabulary, easy to understand, bit entertaining but nonetheless delivering the information. The article writer giving his/her effort to put every word into pleasure arrangement in writing Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) however doesn't forget the main place, giving the reader the hottest as well as based confirm resource facts that maybe you can be one of it. This great information may drawn you into brand-new stage of crucial imagining.

**Download and Read Online Electric Machinery and Transformers  
(The Oxford Series in Electrical and Computer Engineering) By  
Bhag S. Guru, Huseyin R. Hiziroglu #367YJAH4N2C**

## **Read Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) By Bhag S. Guru, Huseyin R. Hiziroglu for online ebook**

Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) By Bhag S. Guru, Huseyin R. Hiziroglu Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) By Bhag S. Guru, Huseyin R. Hiziroglu books to read online.

## **Online Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) By Bhag S. Guru, Huseyin R. Hiziroglu ebook PDF download**

**Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) By Bhag S. Guru, Huseyin R. Hiziroglu Doc**

**Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) By Bhag S. Guru, Huseyin R. Hiziroglu Mobipocket**

**Electric Machinery and Transformers (The Oxford Series in Electrical and Computer Engineering) By Bhag S. Guru, Huseyin R. Hiziroglu EPub**