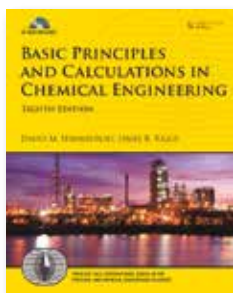




# Engineering

## Chemical Engineering



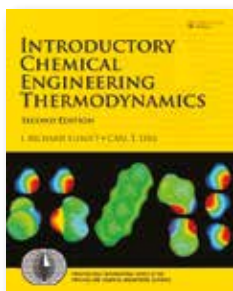
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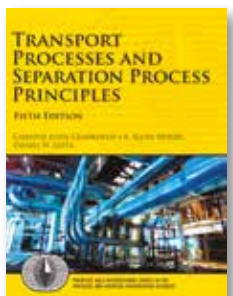
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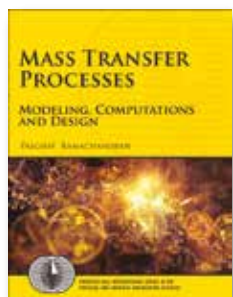
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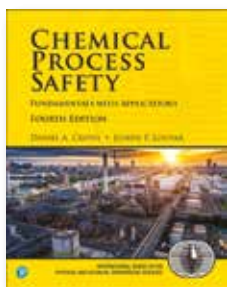
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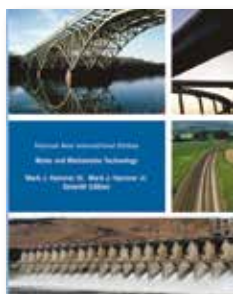
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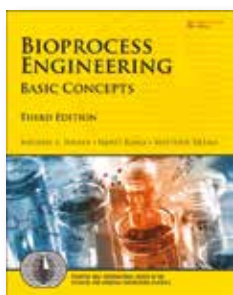
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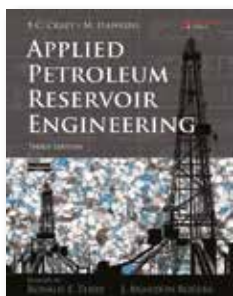
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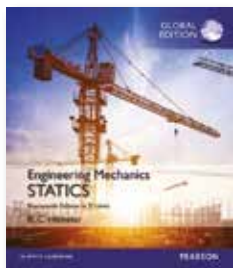
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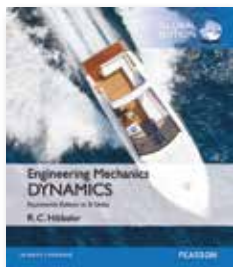
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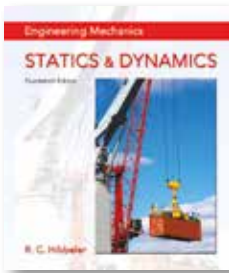
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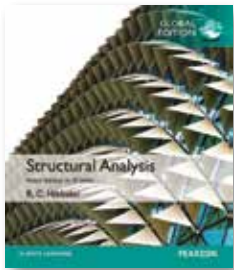
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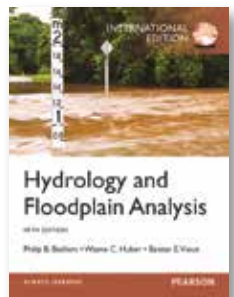
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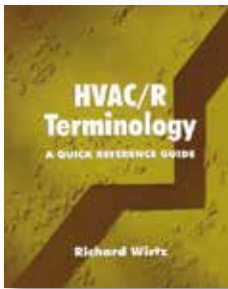
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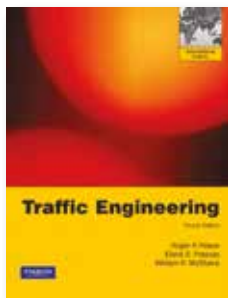
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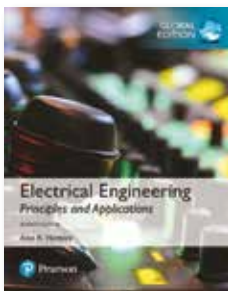
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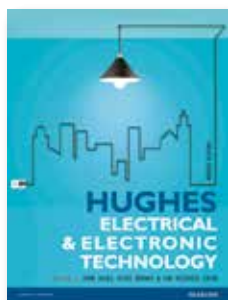
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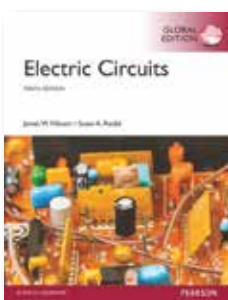
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## RF Microelectronics, 2e

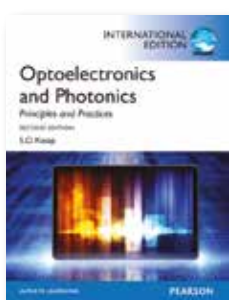
Behzad Razavi

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**Course:** Microwave Circuits and Devices

*RF Microelectronics, Second Edition* teaches RF analysis and design systematically, one step at a time, taking readers all the way from specification through practical solution. Behzad Razavi has thoroughly revised his classic text to incorporate the latest developments in RF architecture, circuits, and devices, and to cover all key topics in greater detail.

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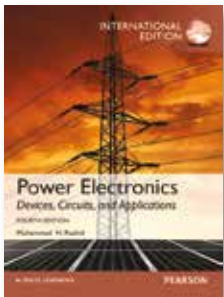
Theodore Wildi

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### Power Electronics: Devices, Circuits, and Applications, 4e

Muhammad H. Rashid

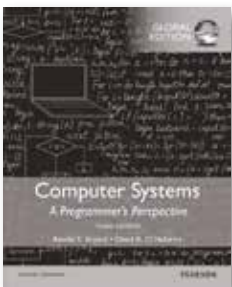
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**Course:** Power Electronics

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## Computer Engineering



### Computer Systems: A Programmer's Perspective, 3e

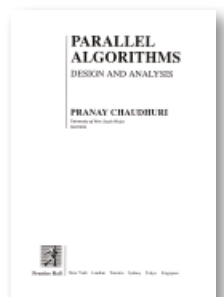
Randal E. Bryant  
& David R. O'Hallaron

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Pranay Chaudhuri

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## 8051 Microcontroller and Embedded Systems, 2e

Muhammad Ali Mazidi, Janice G. Mazidi & Rolin D. McKinlay

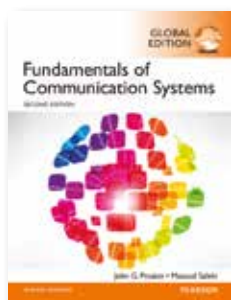
9781292026572 • ©2013  
640pp • Paperback • £58.99

eBook: 9781292038957 • £47.99

**Course:** Embedded Systems

Mazidi's 8051 Microcontroller text emphasises the programming and interfacing of the 8051. A systematic, step-by-step approach is used to cover various aspects of 8051. C and Assembly language programming and interfacing. Many examples and sample programs are given to clarify the concepts and provide students with an opportunity to learn by doing.

## Networking and Communication



## Fundamentals of Communication Systems, 2e

John G. Proakis & Masoud Salehi

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**Course:** Communication Systems

This text introduces the basic techniques used in modern communication systems and provides fundamental tools and methodologies used in the analysis and design of these systems. The authors emphasize digital communication systems, including new generations of wireless communication systems, satellite communications, and data transmission networks. A background in calculus, linear algebra, basic electronic circuits, linear system theory, and probability and random variables is assumed.



## Computer Networks, 5e

Andrew S. Tanenbaum  
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**Course:** Computer Networks

Tanenbaum takes a structured approach to explaining how networks work from the inside out. He starts with an explanation of the physical layer of networking, computer hardware and transmission systems; then works his way up to network applications. Tanenbaum's in-depth application coverage includes email; the domain name system; the World Wide Web (both client- and server-side); and multimedia (including voice over IP, Internet radio video on demand, video conferencing, and streaming media).



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Bernard Sklar

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Exceptionally accessible, this book presents the often difficult concepts of digital communications in an easy-to-understand manner – without diluting the mathematical precision. Using a student-friendly approach, it develops the important techniques in the context of a unified structure – providing organization and structure to a field that has, and continues, to grow rapidly, and ensuring that students gain an awareness of the big picture even while delving into the details. It traces signals and key processing steps from the information source through the transmitter, channel, receiver, and ultimately to the information sink.





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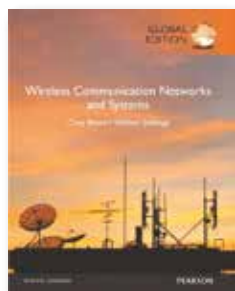
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Cory Beard & William Stallings

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## Signals and Systems



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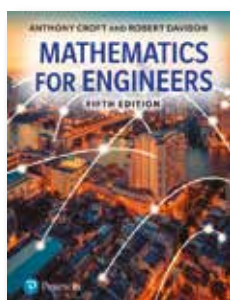
Alan V. Oppenheim, Alan S. Willsky  
& S. Hamid

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McKinlay & Janice G. Mazidi9781292027265 • ©2013  
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*The 8051 Microprocessor: A Systems Approach* emphasizes the programming and interfacing of the 8051. Using a systematic, step-by-step approach, the text covers various aspects of 8051, including C and Assembly language programming and interfacing. Throughout each chapter, examples, sample programs, and sectional reviews clarify the concepts and offer students an opportunity to learn by doing.

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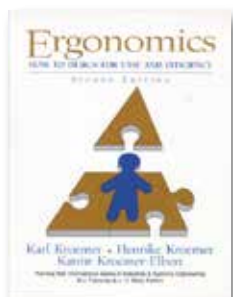
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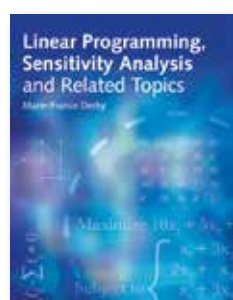
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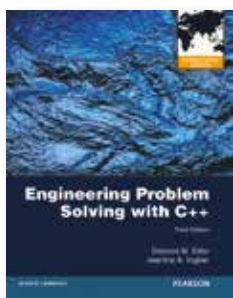
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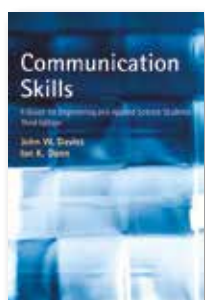
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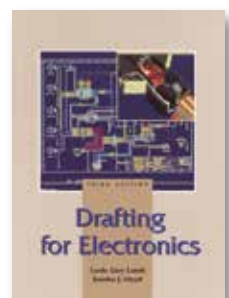
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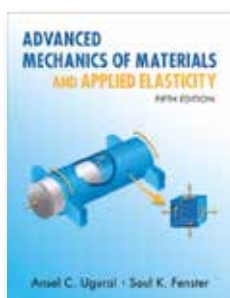
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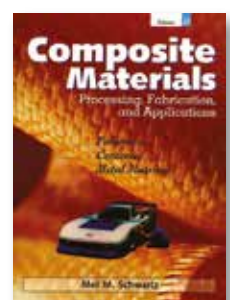
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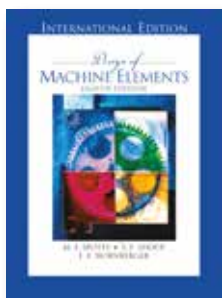
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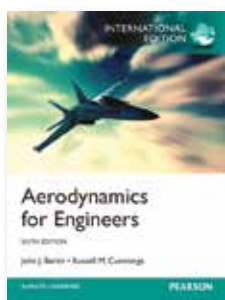
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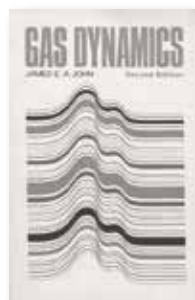
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