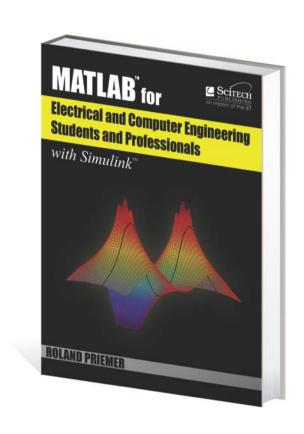


## MATLAB® FOR ELECTRICAL AND COMPUTER ENGINEERING STUDENTS AND PROFESSIONALS: WITH SIMULINK®

**ROLAND PRIEMER** 

Combines the teaching of the MATLAB® programming language with the presentation and development of carefully selected electrical and computer engineering (ECE) fundamentals.

- Develops ECE fundamentals gradually, from very basic principles and demonstrates that MATLAB® can be applied to solve relevant, practical problems.
- Includes nearly 200 examples and over 80 programs to which MATLAB® can be applied to provide insights about the fundamentals.
- Designed to prepare the reader to apply MATLAB® in all coursework that is commonly included in EE and CE curricula.
- Topics include; MATLAB® Environment; Programs and Functions; Matrices, Vectors and Scalars; Program Flow Control; Binary Data; Complex Numbers; Character Data; Input/Output; Graphics; Debugging; Symbolic Math; Signals and Systems and Introduction to Simulink



## **READERSHIP**

This book is primarily intended for electrical and computer engineering students with no prior programming experience, no background in EE or CE and those that are required to learn MATLAB® programming as part of their studies. Professional electrical and computer engineers will also find this book useful.

## **AUTHOR INFORMATION**

Roland Priemer has been a faculty member in the Electrical and Computer Engineering (ECE) Department of the University of Illinois at Chicago (UIC) for the past 40 years, during which time he has also consulted for local, national and international corporations and laboratories. He is currently an Associate Professor, Emeritus at UIC where he teaches the course: "Introduction to Electrical and Computer Engineering" to freshmen.

ISBN: 978-1-61353-188-4

**Product code:** SBPC5010

**BIC Codes:** TB

Price: £45 / \$75
Size (mm): 187 x 235
Extent: 664pp
Format: Publish date: July 2013

Rights: World – all languages

## www.theiet.org/books

To place an order or to request further information, contact Alex Fox, IET Books Sales Manager

T: 01438 767655
E: <u>AFox@theiet.org</u>