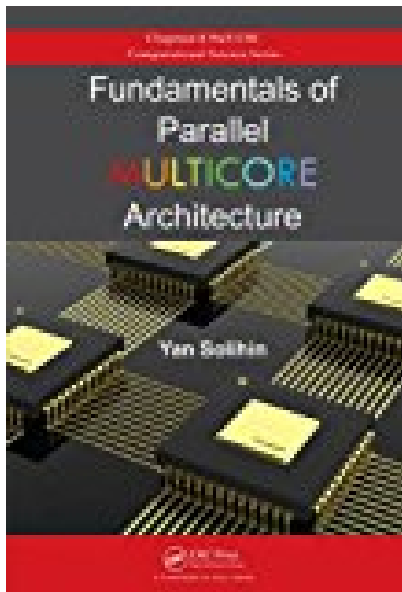


# Fundamentals of Parallel Multicore Architecture

Chapman & Hall CRC  
Computational Science

---



## BOOK DETAILS

- Author : Yan Solihin
- Pages : 494 Pages
- Publisher : Chapman and Hall/CRC
- Language : English
- ISBN : 1482211181



## BOOK SYNOPSIS

Although multicore is now a mainstream architecture, there are few textbooks that cover parallel multicore architectures. Filling this gap, *Fundamentals of Parallel Multicore Architecture* provides all the material for a graduate or senior undergraduate course that focuses on the architecture of multicore processors. The book is also useful as a reference for professionals who deal with programming on multicore or designing multicore chips. The text's coverage of fundamental topics prepares students to study research papers in the multicore architecture area. The text offers many pedagogical features, including: Sufficiently short chapters that can be comfortably read over a weekend Introducing each concept by first describing the problem and building intuition that leads to the need for the concept "Did you know?" boxes that present mini case studies, alternative points of view, examples, and other interesting facts or discussion items Thought-provoking interviews with experts who share their perspectives on multicore architectures in the past, present, and future Online programming assignments and solutions that enhance students' understanding The first several chapters address programming issues in shared memory multiprocessors, such as the programming model and techniques to parallelize regular and irregular applications. The core of the book covers the architectures for shared memory multiprocessors. The final chapter contains interviews with experts in parallel multicore architecture.

### **FUNDAMENTALS OF PARALLEL MULTICORE ARCHITECTURE CHAPMAN & HALL CRC COMPUTATIONAL SCIENCE** - Are you looking for Ebook

*Fundamentals Of Parallel Multicore Architecture Chapman & Hall CRC Computational Science* ? You will be glad to know that right now *Fundamentals Of Parallel Multicore Architecture Chapman & Hall CRC Computational Science* is available on our online library. With our online resources, you can find *Applied Numerical Methods With Matlab Solution Manual 3rd Edition* or just about any type of ebooks, for any type of product.

Best of all, they are entirely free to find, use and download, so there is no cost or stress at all. *Fundamentals Of Parallel Multicore Architecture Chapman & Hall CRC Computational Science* may not make exciting reading, but *Applied Numerical Methods With Matlab Solution Manual 3rd Edition* is packed with valuable instructions, information and warnings. We also have many ebooks and user guide is also related with *Fundamentals Of Parallel Multicore Architecture Chapman & Hall CRC Computational Science* and many other ebooks.

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with *Fundamentals Of Parallel Multicore Architecture Chapman & Hall CRC Computational Science* . To get started finding *Fundamentals Of Parallel Multicore Architecture Chapman & Hall CRC Computational Science* , you are right to find our website which has a comprehensive collection of manuals listed.