

## **A practical introduction to computer architecture / Daniel Stephen Page**

Page, Daniel Stephen

Deskripsi Dokumen: <http://lib.ui.ac.id/opac/themes/libri2/detail.jsp?id=20360909&lokasi=lokal>

---

### **Abstrak**

This book blends traditional teaching approaches with the use of mathematics, together with the use of a hardware description language and a concrete processor as vehicles for "hands-on" modelling and experimenting with digital logic and processor design. This unique approach encourages readers to derive their own conclusions via experimentation, enabling them to discover for themselves the fundamental and exciting topics of computer architecture. Features: includes a wide-ranging introductory chapter; outlines basic methods for evaluating processors; investigates advanced topics in processor design; presents a detailed description of a development tool-chain; provides a stand-alone tutorial on using SPIM; focuses on aspects of compilers which are closely tied to the processor; examines the concept of efficient programming; concludes every chapter with a set of example problems.