In Praise of *Digital Design and Computer Architecture*

ARM® Edition

Harris and Harris have done a remarkable and commendable job in creating a true textbook which clearly shows their love and passion for teaching and educating. The students who read this book will be thankful to Harris and Harris for many years after graduation. The writing style, the clearness, the detailed diagrams, the flow of information, the gradual increase in the complexity of the subjects, the great examples throughout the chapters, the exercises at the end of the chapters, the concise yet clear explanations, the useful real-world examples, the coverage of all aspects of each topic—all of these things are done very well. If you are a student using this book for your course get ready to have fun, be impressed, and learn a great deal as well!

Mehdi Hatamian, Sr. Vice President, Broadcom

Harris and Harris have done an excellent job creating this ARM version of their popular book, *Digital Design and Computer Architecture*. Retargeting to ARM is a challenging task, but the authors have done it successfully while maintaining their clear and thorough presentation style, as well as their outstanding documentation quality. I believe this new edition will be very much welcomed by both students and professionals.

Donald Hung, San Jose State University

Of all the textbooks I've reviewed and assigned in my 10 years as a professor, *Digital Design and Computer Architecture* is one of only two that is unquestionably worth buying. (The other is *Computer Organization and Design*.) The writing is clear and concise; the diagrams are easy to understand; and the CPU the authors use as a running example is complex enough to be realistic, yet simple enough to be thoroughly understood by my students.

Zachary Kurmas, Grand Valley State University

Digital Design and Computer Architecture brings a fresh perspective to an old discipline. Many textbooks tend to resemble overgrown shrubs, but Harris and Harris have managed to prune away the deadwood while preserving the fundamentals and presenting them in a contemporary context. In doing so, they offer a text that will benefit students interested in designing solutions for tomorrow's challenges.

Jim Frenzel, University of Idaho

Harris and Harris have a pleasant and informative writing style. Their treatment of the material is at a good level for introducing students to computer engineering with plenty of helpful diagrams. Combinational circuits, microarchitecture, and memory systems are handled particularly well.

James Pinter-Lucke, Claremont McKenna College

Harris and Harris have written a book that is very clear and easy to understand. The exercises are well-designed and the real-world examples are a nice touch. The lengthy and confusing explanations often found in similar textbooks are not seen here. It's obvious that the authors have devoted a great deal of time and effort to create an accessible text. I strongly recommend *Digital Design and Computer Architecture*.

Peiyi Zhao, Chapman University