Record Nr. UNINA9910784566503321 Autore Wile Bruce Titolo Comprehensive functional verification: the complete industry cycle [[electronic resource] /] / Bruce Wile, John C. Goss, Wolfgang Roesner Amsterdam; Boston, Elsevier/Morgan Kaufmann, c2005 Pubbl/distr/stampa **ISBN** 1-281-00839-7 9786611008390 1-4237-2233-7 9780080476643 0-08-047664-3 Descrizione fisica 1 online resource (702 p.) Collana Systems on Silicon Altri autori (Persone) GossJohn C RoesnerW (Wolfgang) Disciplina 621.3815/48 Soggetti Circuits integrats - Verificació Integrated circuits - Verification Computer engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references (p. 657-662) and index. Nota di contenuto Cover; Author Bios; FOREWORD; Table of contents; PREFACE; ACKNOWLEDGEMENTS; PART I: INTRODUCTION TO VERIFICATION; PART II: SIMULATION-BASED VERIFICATION: PART III: FORMAL VERIFICATION: PART IV: COMPREHENSIVE VERIFICATION; PART V: CASE STUDIES; VERIFICATION GLOSSARY; REFERENCES; SUBJECT INDEX Sommario/riassunto One of the biggest challenges in chip and system design is determining whether the hardware works correctly. That is the job of functional verification engineers and they are the audience for this comprehensive text from three top industry professionals. As designs increase in complexity, so has the value of verification engineers within the hardware design team. In fact, the need for skilled verification engineers has grown dramatically--functional verification now consumes between 40 and 70% of a project's labor, and about half its

cost. Currently there are very few books on verificat