

1. Record Nr.	UNINA9910962956703321
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Titolo	Multicore hardware-software design and verification techniques // edited by Pao-Ann Hsiung, Yean-Ru Chen, Chao-Sheng Lin
Pubbl/distr/stampa	[Oak Park, Ill.?], : Bentham eBooks, [2011]
ISBN	9781608052257 1608052257
Edizione	[1st ed.]
Descrizione fisica	1 online resource (105 p.)
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Disciplina	005.10685
Soggetti	Computer software - Development Software engineering Computer input-output equipment
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 and index.
Nota di contenuto	01 Title.pdf; 02 Cover Page; 03 eBooks End User License Agreement-Website; 04 Dedication; 05 Contents; 06 Foreword; 07 Preface; 08 List-of-Contributors; 09 ACKNOWLEDGMENTS; 10 Chapter 01; 11 Chapter 02; 12 Chapter 03; 13 Chapter 04; 14 Chapter 05; 15 Index
Sommario/riassunto	The surge of multicore processors coming into the market and on users' desktops has made parallel computing the focus of attention once again. This time, however, it is led by the industry, which ensures that multicore computing is here to stay. Nevertheless, there is still so much research work to be done in multicore hardware-software designs before consumer applications can leverage the benefits of this new paradigm. This e-book is being put forward as a platform for immediate collection of state-of-the-art technologies in both hardware and software designs for multicore computing. With the