

1. Record Nr.	UNINA9910703299003321
Titolo	Innovation in America [[electronic resource]] : opportunities and obstacles : hearing before the Subcommittee on Competitiveness, Innovation, and Export Promotion of the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Eleventh Congress, second session, June 22, 2010
Pubbl/distr/stampa	Washington : , : U.S. G.P.O., , 2011
Descrizione fisica	1 online resource (iii, 82 pages) : illustrations
Collana	S. hrg. ; ; 111-1018
Soggetti	Technological innovations - Economic aspects - United States Entrepreneurship - Government policy - United States Medical innovations - United States Medical instruments and apparatus industry - United States Medical instruments and apparatus - Evaluation - Government policy - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Aug. 9, 2011).
Nota di bibliografia	Includes bibliographical references.

2. Record Nr.	UNINA9910815413303321
Titolo	Networks-on-chip : from implementations to programming paradigms // Sheng Ma [and three others] ; editor-in-chief Zhiying Wang
Pubbl/distr/stampa	Waltham, Massachusetts : , : Morgan Kaufmann, , 2015 ©2015
ISBN	0-12-800979-9 0-12-801178-5
Edizione	[First edition.]
Descrizione fisica	1 online resource (383 p.)
Disciplina	621.381531
Soggetti	Networks on a chip - Design and construction Networks on a chip - Reliability
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Networks-on-Chip: From Implementations to Programming Paradigms provides a thorough and bottom-up exploration of the whole NoC design space in a coherent and uniform fashion, from low-level router, buffer and topology implementations, to routing and flow control schemes, to co-optimizations of NoC and high-level programming paradigms. This textbook is intended for an advanced course on computer architecture, suitable for graduate students or senior undergrads who want to specialize in the area of computer architecture and Networks-on-Chip. It is also intended for practitioners in the industry in the area of microprocessor design, especially the many-core processor design with a network-on-chip. Graduates can learn many practical and theoretical lessons from this course, and also can be motivated to delve further into the ideas and designs proposed in this book. Industrial engineers can refer to this book to make practical tradeoffs as well. Graduates and engineers who focus on off-chip network design can also refer to this book to achieve deadlock-free routing algorithm designs. Provides thorough and insightful exploration of NoC design space. Description from low-level logic implementations to co-optimizations of high-level program paradigms

and NoCs. The coherent and uniform format offers readers a clear, quick and efficient exploration of NoC design space. Covers many novel and exciting research ideas, which encourage researchers to further delve into these topics. Presents both engineering and theoretical contributions. The detailed description of the router, buffer and topology implementations, comparisons and analysis are of high engineering value.
