1.	Record Nr.	UNINA9910299738403321
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	Titolo	Correct-by-construction approaches for SoC design / / Roopak Sinha, Parthasarathi Roop, Samik Basu
	Pubbl/distr/stampa	New York, : Springer Science, 2014 New York : , : Springer, , 2014
	ISBN	1-4614-7864-2
	Descrizione fisica	1 online resource (xxi, 144 pages) : illustrations (some color)
	Collana	Gale eBooks
	Disciplina	004.1 620 621.381 621.3815
	Soggetti	Systems on a chip - Design and construction
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Includes index.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	System-on-A-Chip Design.- The AMBA SOC Platform.- Automatic Verification using Model and Module Checking -- Models for SoCs and Specifications -- SoC Design Methodology -- Automatic Protocol Conversion -- Related Work and Outlook.- Appendix: Converter Generation Algorithm.
	Sommario/riassunto	This book describes an approach for designing Systems-on-Chip such that the system meets precise mathematical requirements. The methodologies presented enable embedded systems designers to reuse intellectual property (IP) blocks from existing designs in an efficient, reliable manner, automatically generating correct SoCs from multiple, possibly mismatching, components. · Provides a single-source reference to correct-by-construction SoC design; · Enables optimized design cycles, with techniques to reuse IP blocks reliably; · Uses realistic SoC case studies to highlight the concepts introduced; · Demonstrates techniques using industrial standard SoC frameworks such as ARM AMBA.