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Titolo	System-on-Chip Security : Validation and Verification / / by Farimah Farahmandi, Yuanwen Huang, Prabhat Mishra
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ISBN	3-030-30596-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (295 pages)
Disciplina	621.3815
Soggetti	Electronic circuits
	Microprocessors
	Electronics
	Microelectronics
	Circuits and Systems
	Processor Architectures
	Electronics and Microelectronics, Instrumentation
and the second	
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well as ongoing research efforts in developing scalable security validation using formal methods including symbolic algebra, model checkers, SAT solvers, and theorem provers; Explains how to leverage security validation approaches to prevent side-channel attacks; Presents automated debugging and patching techniques in the presence of security vulnerabilities; Includes case studies for security validation of arithmetic circuits, controller designs, as well as processor-based SoCs.