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	Titolo	Handbook of Hardware/Software Codesign [[electronic resource] /] / edited by Soonhoi Ha, Jürgen Teich
	Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2020
	Descrizione fisica	1 online resource (1100 p.)
	Disciplina	621.3815
	Soggetti	Electronic circuits
		Software engineering
		Microprocessors
		Electronics
		Microelectronics
		Circuits and Systems
		Software Engineering
		Processor Architectures
		Electronics and Microelectronics, Instrumentation
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Introduction to HW/SW Codesign -- Models and Languages for Codesign -- Hardware/Software Partitioning and Scheduling -- HW/SW Cosimulation and Prototyping -- Design Space Exploration -- Performance Estimation and Verification -- Hardware/Software synthesis -- Codesign Tools and Environments -- Case Studies.
	Sommario/riassunto	This handbook presents fundamental knowledge on the hardware/software (HW/SW) codesign methodology. Contributing expert authors look at key techniques in the design flow as well as selected codesign tools and design environments, building on basic knowledge to consider the latest techniques. The book enables readers to gain real benefits from the HW/SW codesign methodology through explanations and case studies which demonstrate its usefulness. Readers are invited to follow the progress of design techniques through this work, which assists readers in following current research directions and learning about state-of-the-art techniques. Students and

researchers will appreciate the wide spectrum of subjects that belong to the design methodology from this handbook. .