1.	Record Nr.	UNISA996465372903316
	Titolo	Field-Programmable Logic and Applications: The Roadmap to Reconfigurable Computing [[electronic resource]] : 10th International Conference, FPL 2000 Villach, Austria, August 27-30, 2000 Proceedings / / edited by Reiner W. Hartenstein, Herbert Grünbacher
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000
	ISBN	3-540-44614-1
	Edizione	[1st ed. 2000.]
	Descrizione fisica	1 online resource (XXXIV, 858 p.)
	Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1896
	Disciplina	621.39/5
	Soggetti	Architecture, Computer
		Logic design
		Computer System Implementation
		Logic Design
	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 at the end of each chapters and index.
	Nota di contenuto	Invited Keynote -- Network Processors -- Prototyping -- Dynamically Reconfigurable I -- Miscellaneous I -- Technology Mapping and Routing & Placement -- Biologically Inspired Methods -- Invited Keynote -- Invited Papers -- Mobile Communication -- Dynamically Reconfigurable II -- Design Space Exploration -- Miscellaneous II -- Applications I -- Optimization -- Invited Keynote -- Invited Paper -- Architectures -- Methodology and Technology -- Compilation and Related Issues -- Applications II -- Short Papers.
	Sommario/riassunto	This book is the proceedings volume of the 10th International Conference on Field Programmable Logic and its Applications (FPL), held August 27 30, 2000 in Villach, Austria, which covered areas like reconfigurable logic (RL), reconfigurable computing (RC), and its applications, and all other aspects. Its subtitle "The Roadmap to Reconfigurable Computing" reminds us, that we are currently witnessing the runaway of a breakthrough. The annual FPL series is the eldest international conference in the world covering configware and all its aspects. It was founded 1991 at Oxford University (UK) and is 2

years older than its two most important competitors usually taking place at Monterey and Napa. FPL has been held at Oxford, Vienna, Prague, Darmstadt, London, Tallinn, and Glasgow (also see: http: //www. fpl. uni kl. de/FPL/). The New Case for Reconfigurable Platforms: Converging Media. Indicated by palmtops, smart mobile phones, many other portables, and consumer electronics, media such as voice, sound, video, TV, wireless, cable, telephone, and Internet continue to converge. This creates new opportunities and even necessities for reconfigurable platform usage. The new converged media require high volume, flexible, multi purpose, multi standard, low power products adaptable to support evolving standards, emerging new standards, field upgrades, bug fixes, and, to meet the needs of a growing number of different kinds of services offered to zillions of individual subscribers preferring different media mixes.