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Descrizione fisica	1 online resource (108 pages)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 12655
Disciplina	005.13
Soggetti	Compilers (Computer programs) Computer engineering Computer networks Microprogramming Computer programming Numerical analysis Compilers and Interpreters Computer Engineering and Networks Control Structures and Microprogramming Programming Techniques Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Evaluating Performance Portability of OpenMP for SNAP on NVIDIA, Intel, and AMD GPUs using the Roofline Methodology -- Performance Assessment of OpenMP Compilers Targeting NVIDIA V100 GPUs -- GPU acceleration of the FINE/FR CFD solver in a heterogeneous environment with OpenACC directives -- Performance and Portability of a Linear Solver Across Emerging Architectures -- ADELUS: A Performance-Portable Dense LU Solver for Distributed-Memory Hardware-Accelerated Systems.
Sommario/riassunto	This book constitutes the proceedings of the 7th International

Workshop on Accelerator Programming Using Directives, WACCPD 2020, which took place on November 20, 2021. The workshop was initially planned to take place in Atlanta, GA, USA, and changed to an online format due to the COVID-19 pandemic. WACCPD is one of the major forums for bringing together users, developers, and the software and tools community to share knowledge and experiences when programming emerging complex parallel computing systems. The 5 papers presented in this volume were carefully reviewed and selected from 7 submissions. They were organized in topical sections named: OpenMP; OpenACC; and Domain-specific Solvers.
