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| 1. Record Nr. | UNINA990009979370403321 |
| Autore | Jayal, Niraja Gopal |
| Titolo | Citizenship and its discontents : an Indian history / Niraja Gopal Jayal |
| Pubbl/distr/stampa | Cambridge : Harvard University Press, 2013 |
| ISBN | 978-0-674-06684-7 |
| Descrizione fisica | viii, 366 p. ; 24 cm |
| Disciplina | 323.60954 |
| Locazione | FSPBC |
| Collocazione | XIII A 470 |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
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| 2. Record Nr. | UNINA990008638480403321 |
| Autore | Falsini, Luigi |
| Titolo | Ponteggi : progetto, norme e procedure, pianificazione per la sicurezza, giurisprudenza / Luigi Falsini, Alessandro Michelon, Marco Vinci |
| Pubbl/distr/stampa | Roma : DEI, 1990 |
| ISBN | 88-7722-564-5 |
| Edizione | [1. ed.] |
| Descrizione fisica | 743 p. : ill. ; 25 cm |
| Altri autori (Persone) | Michelon, Alessandro
Vinci, Marco |
| Disciplina | 690.2 |
| Locazione | DCATA |
| Collocazione | 125001 |
| Lingua di pubblicazione | Italiano |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |

3. Record Nr.	UNINA9910462275603321
Autore	Kowalik Janusz S
Titolo	Using OpenCL [[electronic resource]] : programming massively parallel computers / / Janusz Kowalik and Tadeusz Puzniakowski
Pubbl/distr/stampa	Amsterdam, : IOS Press, c2012
ISBN	1-299-33347-8 1-61499-030-1
Descrizione fisica	1 online resource (312 p.)
Collana	Advances in parallel computing ; ; v. 21
Altri autori (Persone)	PuzniakowskiTadeusz
Disciplina	005.2752
Soggetti	OpenCL (Computer program language) Parallel computers Parallel programming (Computer science) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title Page; Preface; Contents; Introduction; Existing Standard Parallel Programming Systems; MPI; OpenMP; Two Parallelization Strategies: Data Parallelism and Task Parallelism; Data Parallelism; Task Parallelism; Example; History and Goals of OpenCL; Origins of Using GPU in General Purpose Computing; Short History of OpenCL; Heterogeneous Computer Memories and Data Transfer; Heterogeneous Computer Memories; Data Transfer; The Fourth Generation CUDA; Host Code; Phase a. Initialization and Creating Context; Phase b. Kernel Creation, Compilation and Preparations for Kernel Execution Phase c. Creating Command Queues and Kernel ExecutionFinalization and Releasing Resource; Applications of Heterogeneous Computing; Accelerating Scientific/Engineering Applications; Conjugate Gradient Method; Jacobi Method; Power Method; Monte Carlo Methods; Conclusions; Benchmarking CGM; Introduction; Additional CGM Description; Heterogeneous Machine; Algorithm Implementation and Timing Results; Conclusions; OpenCL Fundamentals; OpenCL Overview; What is OpenCL; CPU + Accelerators; Massive Parallelism Idea; Work Items and Workgroups; OpenCL Execution Model; OpenCL Memory Structure

OpenCL C Language for Programming KernelsQueues, Events and Context; Host Program and Kernel; Data Parallelism in OpenCL; Task Parallelism in OpenCL; How to Start Using OpenCL; Header Files; Libraries; Compilation; Platforms and Devices; OpenCL Platform Properties; Devices Provided by Platform; OpenCL Platforms - C++; OpenCL Context to Manage Devices; Different Types of Devices; CPU Device Type; GPU Device Type; Accelerator; Different Device Types - Summary; Context Initialization - by Device Type; Context Initialization - Selecting Particular Device; Getting Information about Context OpenCL Context to Manage Devices - C++Error Handling; Checking Error Codes; Using Exceptions - Available in C++; Using Custom Error Messages; Command Queues; In-order Command Queue; Out-of-order Command Queue; Command Queue Control; Profiling Basics; Profiling Using Events - C example; Profiling Using Events - C++ example; Work-Items and Work-Groups; Information About Index Space from a Kernel; NDRange Kernel Execution; Task Execution; Using Work Offset; OpenCL Memory; Different Memory Regions - the Kernel Perspective; Relaxed Memory Consistency Global and Constant Memory Allocation - Host CodeMemory Transfers - the Host Code; Programming and Calling Kernel; Loading and Compilation of an OpenCL Program; Kernel Invocation and Arguments; Kernel Declaration; Supported Scalar Data Types; Vector Data Types and Common Functions; Synchronization Functions; Counting Parallel Sum; Parallel Sum - Kernel; Parallel Sum - Host Program; Structure of the OpenCL Host Program; Initialization; Preparation of OpenCL Programs; Using Binary OpenCL Programs; Computation; Release of Resources; Structure of OpenCL host Programs in C++; Initialization Preparation of OpenCL Programs
