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Autore	Chapman Barbara <1954->
Titolo	Using OpenMP : portable shared memory parallel programming // Barbara Chapman, Gabriele Jost, Ruud van der Pas
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Altri autori (Persone)	JostGabriele PasRuud van der
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Soggetti	Parallel programming (Computer science) Application program interfaces (Computer software) Electronic books.
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Sommario/riassunto	OpenMP, a portable programming interface for shared memory parallel computers, was adopted as an informal standard in 1997 by computer scientists who wanted a unified model on which to base programs for shared memory systems. OpenMP is now used by many software developers; it offers significant advantages over both hand-threading and MPI. Using OpenMP offers a comprehensive introduction to parallel programming concepts and a detailed overview of OpenMP. Using OpenMP discusses hardware developments, describes where OpenMP is applicable, and compares OpenMP to other programming interfaces for shared and distributed memory parallel architectures. It introduces the individual features of OpenMP, provides many source code examples that demonstrate the use and functionality of the language constructs, and offers tips on writing an efficient OpenMP program. It describes how to use OpenMP in full-scale applications to achieve high

performance on large-scale architectures, discussing several case studies in detail, and offers in-depth troubleshooting advice. It explains how OpenMP is translated into explicitly multithreaded code, providing a valuable behind-the-scenes account of OpenMP program performance. Finally, Using OpenMP considers trends likely to influence OpenMP development, offering a glimpse of the possibilities of a future OpenMP 3.0 from the vantage point of the current OpenMP 2.5. With multicore computer use increasing, the need for a comprehensive introduction and overview of the standard interface is clear. Using OpenMP provides an essential reference not only for students at both undergraduate and graduate levels but also for professionals who intend to parallelize existing codes or develop new parallel programs for shared memory computer architectures. Barbara Chapman is Professor of Computer Science at the University of Houston. Gabriele Jost is Principal Member of Technical Staff, Application Server Performance Engineering, at Oracle, Inc. Ruud van der Pas is Senior Staff Engineer at Sun Microsystems, Menlo Park.

2. Record Nr.	UNINA9910974871903321
Autore	Columbus Christopher
Titolo	Select letters of Christopher Columbus, with other original documents, relating to his four voyages to the New World // edited by R.H. Major
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Nota di contenuto

chapter First Voyage of Columbus -- chapter Second Voyage of Columbus -- chapter Third Voyage of Columbus -- chapter 4 th Voyage of Columbus.

Sommario/riassunto

This volume brings together, translated and edited by R.H. Major, five letters by Columbus describing his first, third, and fourth voyages; another by Dr Chanca, physician, descriptive of the second voyage; and an extract from the will of Diego Mendez, one of Columbus's officers on the fourth voyage. Includes Spanish texts at the foot of the page. Two copies of this edition were printed in vellum and one presented to the British Museum. For a second edition see First Series 43; for a third edition see Second Series 65 and 70. This is a new print-on-demand hardback edition of the volume first published in 1847.