

1. Record Nr.	UNISA996466107603316
Titolo	Euro-Par 2007 Workshops: Parallel Processing [[electronic resource]] : HPPC 2007, UNICORE Summit 2007, and VHPC 2007, Rennes, France, August 28-31, 2007, Revised Selected Papers // edited by Luc Bougé, Martti Forsell, Jesper Larsson Träff, Achim Streit, Wolfgang Ziegler, Michael Alexander, Stephen Childs
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008
ISBN	1-281-34313-7 3-540-78474-8
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XVII, 238 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4854
Disciplina	004.35
Soggetti	Computer networks Computer engineering Software engineering Computer science Numerical analysis Data mining Computer Communication Networks Computer Engineering and Networks Software Engineering Theory of Computation Numerical Analysis Data Mining and Knowledge Discovery
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 and index.
Nota di contenuto	HPPC 2007: Workshop on Highly Parallel Processing on a Chip -- HPPC 2007: Workshop on Highly Parallel Processing on a Chip -- Toward Realizing a PRAM-on-a-Chip Vision -- Societies of Cores and Their Computing Culture -- Hardware Transactional Memory with Operating System Support, HTMOS -- Auto-parallelisation of Sieve C++ Programs -- Adaptive L2 Cache for Chip Multiprocessors -- On-Chip COMA

Cache-Coherence Protocol for Microgrids of Microthreaded Cores -- Parallelization of Bulk Operations for STL Dictionaries -- UNICORE Summit 2007 -- UNICORE Summit 2007 -- A Black-Box Approach to Performance Analysis of Grid Middleware -- UNICORE/w3 -- Chemomomentum - UNICORE 6 Based Infrastructure for Complex Applications in Science and Technology -- Flexible Streaming Infrastructure for UNICORE -- Extending UNICORE 5 Authentication Model by Supporting Proxy Certificate Profile Extensions -- Using SAML-Based VOMS for Authorization within Web Services-Based UNICORE Grids -- Attributes and VOs: Extending the UNICORE Authorisation Capabilities -- A Business-Oriented Grid Workflow Management System -- VHPC 2007: Workshop on Virtualization/Xen in High-Performance Cluster and Grid Computing -- VHPC 2007: Workshop on Virtualization/Xen in High-Performance Cluster and Grid Computing -- Virtualization Techniques in Network Emulation Systems -- SOA Based Control Plane for Virtual Clusters -- Grid Virtual Laboratory Architecture -- Information Service of Virtual Machine Pool for Grid Computing -- Virtual Cluster Management with Xen -- Deploying and Managing Xen Sites with XSM -- Xen Management with SmartFrog -- Integrating Xen with the Quattor Fabric Management System -- Getting 10 Gb/s from Xen: Safe and Fast Device Access from Unprivileged Domains.

Sommario/riassunto

Parallel and distributed processing, although within the focus of computer science research for a long time, is gaining more and more importance in a wide spectrum of applications. These proceedings aim to demonstrate the use of parallel and distributed processing concepts in different application fields, and attempt to spark interest in novel research directions to advance the embracing model of high-performance computing research in general. The objective of these workshops is to specifically address researchers coming from university, industry and governmental research organizations and application-oriented companies, in order to close the gap between purely scientific research and the applicability of the research ideas to real-life problems. Euro-Par is an annual series of international conferences dedicated to the promotion and advancement of all aspects of parallel and distributed computing. The 2007 event was the 13th issue of the conference. Euro-Par has for a long time been eager to attract colocated events sharing the same goal of promoting the development of parallel and distributed computing, both as an industrial technique and an academic discipline, extending the frontier of both the state of the art and the state of the practice. Since 2006, Euro-Par offers researchers the chance to colocate advanced technical workshops back-to-back with the main conference. This is for a mutual benefit: the workshops can take advantage of all technical and social facilities which are set up for the conference, so that the organizational tasks are kept to a minimal level; the conference can rely on workshops to experiment with specific areas of research which are not yet mature enough, or too specific, to lead to an official, full-fledged topic at the conference.