

1. Record Nr.	UNINA9910484433703321
Titolo	Job Scheduling Strategies for Parallel Processing [[electronic resource]] : 12th International Workshop, JSSPP 2006, Saint-Malo, France, June 26, 2006, Revised Selected Papers // edited by Eitan Frachtenberg, Uwe Schwiegelshohn
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2007
ISBN	1-280-90221-3 9786610902217 3-540-71035-3
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (VIII, 264 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4376
Disciplina	004.35
Soggetti	Computer systems Operating systems (Computers) Computer programming Algorithms Microprocessors Computer architecture Logic design Computer System Implementation Operating Systems Programming Techniques Processor Architectures Logic Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Provably Efficient Two-Level Adaptive Scheduling -- Scheduling Dynamically Spawned Processes in MPI-2 -- Advance Reservation Policies for Workflows -- On Advantages of Scheduling Using Genetic Fuzzy Systems -- Moldable Parallel Job Scheduling Using Job Efficiency: An Iterative Approach -- Adaptive Job Scheduling Via Predictive Job Resource Allocation -- A Data Locality Aware Online Scheduling

Approach for I/O-Intensive Jobs with File Sharing -- Volunteer Computing on Clusters -- Load Balancing: Toward the Infinite Network and Beyond -- Symbiotic Space-Sharing on SDSC's DataStar System -- Modeling Job Arrivals in a Data-Intensive Grid -- On Grid Performance Evaluation Using Synthetic Workloads.

Sommario/riassunto

This book constitutes the thoroughly refereed postproceedings of the 12th International Workshop on Job Scheduling Strategies for Parallel Processing, JSSPP 2006, held in Saint-Malo, France, in June 2006 in conjunction with the Joint International Conference on Measurement and Modeling of Computer Systems SIGMETRICS/Performance 2006. The 12 revised full research papers presented went through two rounds of reviewing and improvement. The papers cover all current issues of job scheduling strategies for parallel processing such as workflow problems, scheduling performance, job migration issues, performance degradation by resource sharing, and job modeling issues in grid computing.
