

1. Record Nr.	UNISA996390664203316
Autore	Mackaile Matthew <fl. 1657-1696.>
Titolo	Macis macerata: or, A short treatise, concerning the use of mace, in meat, or drink, and medicine [[electronic resource] ] : In six sections, the fifth whereof containeth some hints at the signaturs of simples; and the sixth, is concerning the original and cure of wind, in mans-body. By Matthew Mackaile chyurgo medicine
Pubbl/distr/stampa	Aberdene, : printed by Iohn Forbes, printer to the Town and Colledges, 1677
Descrizione fisica	[20], 91, [1] p. : ill
Soggetti	Pepper (Spice) Medicine, Popular
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Frontis = ill. Reproduction of the original in the Glasgow University Library.
Sommario/riassunto	eebo-0166

2. Record Nr.	UNISA996465853403316
Autore	Prodan Radu
Titolo	Grid computing : experiment management, tool integration, and scientific workflows // Radu Prodan, Thomas Fahringer
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer, , [2007] ©2007
ISBN	1-280-85307-7 9786610853076 3-540-69262-2
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (329 p.)
Collana	Programming and Software Engineering ; ; 4340
Disciplina	004.0151
Soggetti	Computational grids (Computer systems)
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	The ZEN Experiment Specification Language -- ZENTURIO Experiment Management Tool -- Tool Integration -- Optimisation Framework -- Scientific Grid Workflows -- Related Work -- Conclusions.
Sommario/riassunto	Grid computing has become a topic of significant interest in the scientific community as a means of enabling application developers to aggregate resources scattered around the globe for solving large-scale scientific problems. This monograph addresses four critical software development aspects for the engineering and execution of applications on parallel and Grid architectures. A new directive-based language called ZEN is proposed for compact specification of wide value ranges of interest for arbitrary application parameters, including problem or machine sizes, array or loop distributions, software libraries, interconnection networks, or target execution machines. Based on the ZEN language, a novel experiment management tool called ZENTURIO is developed for automatic experiment management of large-scale performance and parameter studies on parallel and Grid architectures. This tool has been validated with respect to functionality and usefulness on several real-world parallel applications from various domains, including theoretical chemistry, photonics, finances, and numerical mathematics. Depending on the ZENTURIO experiment

management architecture a generic optimization framework is built up that integrates general-purpose meta-heuristics for solving NP-complete performance and parameter optimization problems in an exponential search space specified using the ZEN experiment specification language. Finally a timely approach is proposed for modeling and executing scientific workflows in dynamic and heterogeneous Grid environments, introducing an abstract formal model for hierarchical representation of complex directed graph-based workflows. Thus this monograph contributes to various research areas related to integrated tool development for efficient engineering and high performance execution of scientific applications in Grid environments.

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