

1. Record Nr.	UNINA9910485045603321
Titolo	Large-Scale Scientific Computing : 9th International Conference, LSSC 2013, Sozopol, Bulgaria, June 3-7, 2013. Revised Selected Papers // edited by Ivan Lirkov, Svetozar Margenov, Jerzy Waniewski
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2014
ISBN	3-662-43880-1
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XV, 654 p. 173 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 8353
Disciplina	502.85
Soggetti	Numerical analysis Algorithms Computer simulation Computer science - Mathematics Mathematical statistics Numerical Analysis Computer Modelling Probability and Statistics in Computer Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Numerical modeling of fluids and structures -- Control and uncertain systems -- Monte Carlo methods: theory, applications and distributed computing -- Theoretical and algorithmic advances in transport problems -- Applications of metaheuristics to large-scale problems -- Modeling and numerical simulation of processes in highly heterogeneous media -- Large-scale models: numerical methods, parallel computations and applications -- Numerical solvers on many-core systems -- Cloud and grid computing for resource-intensive scientific applications.
Sommario/riassunto	This book constitutes the thoroughly refereed post-conference proceedings of the 9th International Conference on Large-Scale Scientific Computations, LSSC 2013, held in Sozopol, Bulgaria, in June 2013. The 74 revised full papers presented together with 5 plenary and invited papers were carefully reviewed and selected from numerous

submissions. The papers are organized in topical sections on numerical modeling of fluids and structures; control and uncertain systems; Monte Carlo methods: theory, applications and distributed computing; theoretical and algorithmic advances in transport problems; applications of metaheuristics to large-scale problems; modeling and numerical simulation of processes in highly heterogeneous media; large-scale models: numerical methods, parallel computations and applications; numerical solvers on many-core systems; cloud and grid computing for resource-intensive scientific applications.
