

1. Record Nr.	UNINA9910460752003321
Titolo	Big data and high performance computing // edited by Lucio Grandinetti
Pubbl/distr/stampa	Amsterdam, [Netherlands] : , : IOS Press, , 2015 ©2015
ISBN	1-61499-583-4
Descrizione fisica	1 online resource (168 p.)
Collana	Advances in Parallel Computing, , 1879-808X ; ; Volume 26
Disciplina	005
Soggetti	Big data High performance computing Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"International Research Workshop on Advanced High Performance Computing Systems held in Cetraro in July 2014."
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	""Title Page""; ""Preface""; ""Contents""; ""Fundamentals and General Concepts""; ""Big Data: Insight and the Scientific Method""; ""Programming Visual and Script-Based Big Data Analytics Workflows on Clouds""; ""Big Data from Scientific Simulations""; ""Towards a Comprehensive Set of Big Data Benchmarks""; ""Technologies, Processing and Storage""; ""Big Data Technologies""; ""Cori: A Pre-Exascale Supercomputer for Big Data and HPC Applications""; ""Architectural Implications for Exascale Based on Big Data Workflow Requirements""; ""Case Studies"" ""Networking Materials Data: Accelerating Discovery at Experimental Facilities""""Big Data Research at DKRZ - Climate Model Data Production Workflow""; ""Subject Index""; ""Author Index""