1.	Record Nr.	UNINA9910484278803321
	Titolo	High Performance Computing : 31st International Conference, ISC High Performance 2016, Frankfurt, Germany, June 19-23, 2016, Proceedings / / edited by Julian M. Kunkel, Pavan Balaji, Jack Dongarra
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
	ISBN	3-319-41321-X
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (XV, 506 p. 227 illus.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 9697
	Disciplina	004
	Soggetti	Electronic digital computers - Evaluation Computers Computer networks Computer science System Performance and Evaluation Hardware Performance and Reliability Computer Communication Networks Theory of Computation
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Autotuning and Thread Mapping -- Data Locality and Decomposition -- Scalable Applications -- Machine Learning -- Datacenters and Cloud -- Communication Runtime -- Intel Xeon Phi -- Manycore Architectures -- Extreme-scale Computations -- Resilience.
	Sommario/riassunto	This book constitutes the refereed proceedings of the 31st International Conference, ISC High Performance 2016 [formerly known as the International Supercomputing Conference] held in Frankfurt, Germany, in June 2016. The 25 revised full papers presented in this book were carefully reviewed and selected from 60 submissions. The papers cover the following topics: Autotuning and Thread Mapping; Data Locality and Decomposition; Scalable Applications; Machine Learning; Datacenters andCloud; Communication Runtime; Intel Xeon Phi; Manycore Architectures; Extreme-scale Computations; and Resilience.