1. Record Nr. UNISA996465714703316

Titolo	Parallel Processing and Applied Mathematics [[electronic resource]] : 11th International Conference, PPAM 2015, Krakow, Poland, September 6-9, 2015. Revised Selected Papers, Part II / / edited by Roman Wyrzykowski, Ewa Deelman, Jack Dongarra, Konrad Karczewski, Jacek Kitowski, Kazimierz Wiatr
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-32152-8
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XXIV, 622 p. 198 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 9574
Disciplina	004.35
Soggetti	Software engineering Algorithms Application software Computer programming Computer networks Computer science—Mathematics Software Engineering Computer and Information Systems Applications Programming Techniques Computer Communication Networks Mathematics of Computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	The Third Workshop on Models, Algorithms, and Methodologies for Hierarchical Parallelism in New HPC Systems. Workshop on Power and Energy Aspects of Computation -- Workshop on Scheduling for Parallel Computing (SPC 2015) -- The 6th Workshop on Language-Based Parallel Programming Models (WLPP 2015) -- The 5th Workshop on Performance Evaluation of Parallel Applications on Large-Scale Systems -- Workshop on Parallel Computational Biology (PBC 2015) -- Workshop on Applications of Parallel Computation in Industry and Engineering -- Minisymposium on HPC Applications in Physical

Sciences -- The Second Workshop on Applied High Performance Numerical Algorithms in PDEs -- Minisymposium on High Performance Computing Interval Methods -- Workshop on Complex Collective Systems -- Special Session on Algorithms, Methodologies and Frameworks for HPC in Geosciences and Weather Prediction.

Sommario/riassunto	This two-volume-set (LNCS 9573 and 9574) constitutes the refereed proceedings of the 11th International Conference of Parallel Processing and Applied Mathematics, PPAM 2015, held in Krakow, Poland, in September 2015. The 111 revised full papers presented in both volumes were carefully reviewed and selected from 196 submissions. The focus of PPAM 2015 was on models, algorithms, and software tools which facilitate efficient and convenient utilization of modern parallel and distributed computing architectures, as well as on large-scale applications, including big data problems.