

1. Record Nr.	UNINA9910254282603321
Titolo	Tools for High Performance Computing 2016 : Proceedings of the 10th International Workshop on Parallel Tools for High Performance Computing, October 2016, Stuttgart, Germany // edited by Christoph Niethammer, José Gracia, Tobias Hilbrich, Andreas Knüpfer, Michael M. Resch, Wolfgang E. Nagel
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-56702-0
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (IX, 140 p. 60 illus., 48 illus. in color.)
Disciplina	004
Soggetti	Computer mathematics Computer software - Reusability Computer programming Computational Science and Engineering Performance and Reliability Programming Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Sommario/riassunto	This book presents the proceedings of the 10th International Parallel Tools Workshop, held October 4-5, 2016 in Stuttgart, Germany – a forum to discuss the latest advances in parallel tools. High-performance computing plays an increasingly important role for numerical simulation and modelling in academic and industrial research. At the same time, using large-scale parallel systems efficiently is becoming more difficult. A number of tools addressing parallel program development and analysis have emerged from the high-performance computing community over the last decade, and what may have started as collection of small helper script has now matured to production-grade frameworks. Powerful user interfaces and an extensive body of documentation allow easy usage by non-specialists. <some of="" these="" tools="" have="" been=""

commercialized,="" but="" others="" are="" operated="" as="" open=""
source="" by="" a="" growing="" research="" community.
