

1. Record Nr.	UNINA9910739475503321
Titolo	Sustained Simulation Performance 2021 : Proceedings of the Joint Workshop on Sustained Simulation Performance, University of Stuttgart (HLRS) and Tohoku University, 2021 / / edited by Michael M. Resch, Johannes Gebert, Hiroaki Kobayashi, Wolfgang Bez
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-18046-1
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (107 pages)
Disciplina	621.38195 003.3
Soggetti	Mathematics - Data processing Computer simulation Engineering mathematics Engineering - Data processing Computational Science and Engineering Computer Modelling Mathematical and Computational Engineering Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Performance and Power -- Numeric and Optimization -- Data Handling and New Concepts -- Trends in HPC and AI.
Sommario/riassunto	This book presents the state of the art in High-Performance Computing on modern supercomputer architectures. It addresses trends in hardware and software development in general. The contributions cover a broad range of topics, from performance evaluations in context with power efficiency to Computational Fluid Dynamics and High-Performance Data Analytics. In addition, they explore new topics like the use of High-Performance Computers in the field of Artificial Intelligence and Machine Learning. All contributions are based on selected papers presented in 2021 at the 31st Workshop on Sustained Simulation Performance, WSSP31, held at HLRS in Stuttgart, Germany, and WSSP32, held at Tohoku University in Sendai, Japan.

