1. Record Nr. UNINA9910484351603321 High Performance Computing: ISC High Performance 2017 Titolo International Workshops, DRBSD, ExaComm, HCPM, HPC-IODC, IWOPH, IXPUG, P^3MA, VHPC, Visualization at Scale, WOPSSS, Frankfurt, Germany, June 18-22, 2017, Revised Selected Papers // edited by Julian M. Kunkel, Rio Yokota, Michela Taufer, John Shalf Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2017 **ISBN** 3-319-67630-X Edizione [1st ed. 2017.] Descrizione fisica 1 online resource (XX, 743 p. 266 illus.) Theoretical Computer Science and General Issues, , 2512-2029;; Collana 10524 Disciplina 004.3 Soggetti Computer input-output equipment Computer systems Operating systems (Computers) Computer programming Compilers (Computer programs) Logic design Input/Output and Data Communications Computer System Implementation Operating Systems **Programming Techniques** Compilers and Interpreters Logic Design Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Workshop on Virtualization in High-Performance Cloud Computing (VHPC) -- Visualization at Scale: Deployment Case Studies and Experience Reports -- International Workshop on Performance Portable Programming Models for Accelerators (P^3MA) -- OpenPOWER for HPC (IWOPH) -- International Workshop on Data Reduction for Big Scientific

Data (DRBSD) -- International Workshop on Communication

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Scale -- Workshop on HPC Computing in a Post Moore's Law World (HCPM) -- HPC I/O in the Data Center (HPC-IODC) -- Workshop on Performance and Scalability of Storage Systems (WOPSSS) -- Experiences on Intel Knights Landing at the One Year Mark (IXPUG) -- International Workshop on Communication Architectures for HPC, Big Data, Deep Learning and Clouds at Extreme Scale (ExaComm).

This book constitutes revised selected papers from 10 workshops that were held as the ISC High Performance 2017 conference in Frankfurt, Germany, in June 2017. The 59 papers presented in this volume were carefully reviewed and selected for inclusion in this book. They stem from the following workshops: Workshop on Virtualization in High-Performance Cloud Computing (VHPC) Visualization at Scale: Deployment Case Studies and Experience Reports International Workshop on Performance Portable Programming Models for Accelerators (P^3MA) OpenPOWER for HPC (IWOPH) International Workshop on Data Reduction for Big Scientific Data (DRBSD) International Workshop on Communication Architectures for HPC, Big Data, Deep Learning and Clouds at Extreme Scale Workshop on HPC Computing in a Post Moore's Law World (HCPM) HPC I/O in the Data Center (HPC-IODC) Workshop on Performance and Scalability of Storage Systems (WOPSSS) IXPUG: Experiences on Intel Knights Landing at the One Year Mark International Workshop on Communication Architectures for HPC, Big Data, Deep Learning and Clouds at Extreme Scale (ExaComm).