1. **Record Nr.**   UNINA9910254312503321

   Titolo   Modeling, Simulation and Optimization of Complex Processes HPSC 2015 : Proceedings of the Sixth International Conference on High Performance Scientific Computing, March 16-20, 2015, Hanoi, Vietnam / / edited by Hans Georg Bock, Hoang Xuan Phu, Rolf Rannacher, Johannes P. Schlöder

   Pubbl/distr/stampa Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017

   ISBN   3-319-67168-5

   Edizione   [1st ed. 2017.]

   Descrizione fisica 1 online resource (IX, 279 p. 88 illus., 64 illus. in color.)

   Disciplina   518

   Soggetti   Computer science - Mathematics
                           Physics
                           Computer organization
                           Mechanical engineering
                           Automatic control
                           Robotics
                           Mechatronics
                           Human physiology
                           Computational Mathematics and Numerical Analysis
                           Numerical and Computational Physics, Simulation
                           Computer Systems Organization and Communication Networks
                           Mechanical Engineering
                           Control, Robotics, Mechatronics
                           Human Physiology

   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 proceedings volume highlights a selection of papers presented at the Sixth International Conference on High Performance Scientific Computing, which took place in Hanoi, Vietnam on March 16-20, 2015. The conference was jointly organized by the Heidelberg Institute of

Theoretical Studies (HITS), the Institute of Mathematics of the Vietnam Academy of Science and Technology (VAST), the Interdisciplinary Center for Scientific Computing (IWR) at Heidelberg University, and the Vietnam Institute for Advanced Study in Mathematics, Ministry of Education The contributions cover a broad, interdisciplinary spectrum of scientific computing and showcase recent advances in theory, methods, and practical applications. Subjects covered numerical simulation, methods for optimization and control, parallel computing, and software development, as well as the applications of scientific computing in physics, mechanics, biomechanics and robotics, material science, hydrology, biotechnology, medicine, transport, scheduling, and industry.