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Nota di contenuto	State-of-the-art technologies for large-scale computing / Florian Feldhaus, Stefan Freitag and Chaker El Amrani -- The e-infrastructure ecosystem : providing local support to global science / Erwin laure and Ake Edlund -- Accelerated many-core GPUcomputing for physics and astrophysics on three continents / Rainer Spurzem ... [et al.] -- An overview of the sim world agent-based grid experimentation system / Matthias Scheutz and Jack J. Harris -- Repast HPC : a platform for large-scale agent-based modeling / Nicholson Collier and Michael North -- Building and running collaborative distributed multiscale applications / Katarzyna Rycerz and Marian Bubak -- Large-scale data-intensive computing / Mark Parsons -- A topology-aware evolutionary algorithm for reverse-engineering gene regulatory networks / Martin Swain ... [et al.] -- QosCosGrid e-science infrastructure for large-scale complex system simulations / Krzysztof Kurowski ... [et al.]

"The aim of this book is to present a representative overview of contemporary large-scale computing technologies in the context of complex systems simulations applications"--
