Hierarchical resource management in grid computing

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Publications

Journal publications


2. V.V. Korkhov, J.T. Moscicki, V.V. Krzhizhanovskaya. Dynamic Workload Balancing of Parallel Applications with User-Level Scheduling on the Grid. Future Generation Computer Systems, Vol 25(1) 2009, pp. 28-34.


Books


Conference proceedings

IEEE, ACM and LNCS publications


2. V.V. Krzhizhanovskaya and V.V. Korkhov. Dynamic Load Balancing of Black-Box Applications with a Resource Selection Mechanism on Heterogeneous Resources of the Grid. Proceedings of Conference on Parallel Computing Technologies (PaCT’07), Lecture Notes in Computer Science, Vol 4671, pp. 245-260 (2007), September 3-7, 2007, Pereslavl-Zalessky, Russia


4. V.V. Krzhizhanovskaya, V.V. Korkhov, A. Tirado-Ramos, D.J. Groen, I.V. Shoshmina, I.A. Valuev, I.V. Morozov, N.V. Malyshkin, Y.E. Gorbachev, P.M.A. Sloot. Computational Engineering on the Grid: Crafting a Distributed Virtual Reactor. Second IEEE International Conference on e-Science and Grid Computing (e-Science’06), Amsterdam, the Netherlands, December 4-6, 2006, pp.101. IEEE CS Press.

Other publications


2. V.V. Krzhizhanovskaya and V.V. Korkhov. Problem-Solving Environments for Simulation and Optimization on Heterogeneous Distributed Computational Resources of the Grid. Proceedings of the Third International Conference on Parallel Computations and Control Problems (PACO 2006), Moscow, Russia, October 2-4, 2006. Publ: V.A. Trapeznikov Institute of Control Sciences RAS, ISBN 5-201-14990-1, pp. 917-932, Moscow, Russia, 2006.

3. V.V. Krzhizhanovskaya, V.V. Korkhov, P.M.A. Sloot. Virtual Reactor: a distributed computing environment for simulation of plasma chemical processes on heterogeneous resources of the Grid. All-Russian conference ”Scientific services on the Internet: Parallel Programming Technologies”. Novorossiysk, Russia, 18-23 September 2006.


5. V.V. Korkhov, V.V. Krzhizhanovskaya. Workload Balancing in Heterogeneous Grid Environment: A Virtual Reactor Case Study. Book of abstracts of the Second International Conference on Distributed Computing and Grid Technologies in Science and Education. JINR, p. 93. ISBN 5-9530-0117-7. Dubna, Russia, 2006


7. I. Shoshmina, V. Korkhov, D. Malashonok, A. Bogdanov, Evaluation of a Grid testbed between IHPC&IS and SPbSU PTC, Proceedings of XI All-Russian Guidance Conference ”Telematics’2004”, St.Petersburg, Russia, 2004

8. V. Korkhov, A. Bogdanov, L.O. Hertzberger. On Issues of Resource Management in Grid Environment, Proceedings of Intl Conference on Distributed Computing and Grid Technologies in science and education, Dubna, Russia, 2004

