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Chapter 10. Publications*

1. V.V. Korkhov, V.V. Krzhizhanovskaya, J.T. Moscicki. Dynamic Workload Balancing of Parallel Applications with User-Level Scheduling on the Grid. Accepted for publication in the Future Generation Computer Systems. 2008

2. V.V. Korkhov, J.T. Moscicki and V.V. Krzhizhanovskaya. User-Level Scheduling of Divisible Load Parallel Applications with Resource Selection and Adaptive Workload Balancing on the Grid. Accepted for publication in the IEEE Systems Journal, Special Issue on Grid Resource Management. 2008

3. J.K. Rath, A. Verkerk, M. Brinza, R.E.I. Schropp, W.J. Goedheer, V.V. Krzhizhanovskaya, Y.E. Gorbachev, K.E. Orlov, E.M. Khilkevitch, A.S. Smirnov. Gas phase considerations for the deposition of thin film silicon cells by VHF-PECVD at low substrate temperatures. Accepted at the 33rd IEEE PVSEC.

4. A. Verkerk, J.K. Rath, M. Brinza, R.E.I. Schropp, W.J. Goedheer, V.V. Krzhizhanovskaya, Y.E. Gorbachev, K.E. Orlov, E.M. Khilkevitch, A.S. Smirnov. Compensation of decreased ion energy by increased hydrogen dilution in plasma deposition of thin film silicon solar cells at low substrate temperatures. Accepted at the Symposium K of the EMRS spring meeting.


9. V.V. Krzhizhanovskaya, Y.E. Gorbachev, M.A. Zatevakhin and P.M.A. Sloot, "Virtual Reactor" – Computational Environment for Multidimensional Simulation of Plasma

* Listed in reverse chronological order

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12. V.V. Krzhizhanovskaya. Software Environment for Simulation of Plasma-Chemical Deposition Reactors on Heterogeneous Computational Resources of the Grid. Proceedings of the conference on Computer Technologies in Modern Researches, Polytechnic Symposium "Young Scientists to the industry of Northwest Russia". December 2006. Publ: St. Petersburg State Polytechnic University 2006, pp. 81-82. ISBN 5-7422-1365-4. Best presentation award.


14. М.В. Богданов, Ю.Е. Горбачев, В.В. Кржизановская, А.В. Кулик, М.С. Рам, Д.Х. Офнгейм, Д.Е. Тараканов, А.В. Цырольник. "Процессы тепло- и массообмена в технологии современных полупроводниковых материалов". Методическое пособие по выполнению вычислительных лабораторных работ. С.-Петербург. 2006 (68 c.)


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18. 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

19. Y.E. Gorbachev, A.I. Zhmakin, M.A. Zatevakhin, V.V. Krzhizhanovskaya, M.V. Bogdanov, A.V. Kulik, D.H. Ofengeim, M.S. Ramm. From Electronic Textbooks to Virtual Laboratories. Telecommunications and Informatization in Education, N 5 (36), 2006. Publ: SGU, Moscow (in Russian)


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