

1. A self-stabilizing algorithm for finding a spanning tree in a polynomial number of moves
A. Kosowski, L. Kuszner
2. Applying Cooperating Distributed Graph Grammars in Computer Aided Design
E. Grabska, B. Strug
3. Parallel query processing and edge ranking of graphs
D. Dereniowski, M. Kubale
4. Multi-thread processing of long aggregates lists
M. Gorawski, R. Malczok
5. Task Scheduling for Look-Ahead Reconfigurable Systems in Presence of Conditional Branches
E. Laskowski, M. Tudruj
6. Scheduling Task Graphs for Execution in Dynamic SMP Cluster with Bounded Number of Resource
L. Masko
7. Model Driven Scheduling Framework for Multiprocessor SoC Design
A. Meena, P. Boulet
8. Parallel Machine Scheduling of Deteriorating Jobs by Modified Steepest Descent Search
S. Gawiejnowicz, W. Kurc, L. Pankowska
9. Common Due Window Assignment in Parallel Processor Scheduling Problem with Nonlinear Penalty Functions
A. Janiak, M. Winczaszek
10. Minimizing cost and minimizing schedule length in synthesis of fault tolerant multiprocessors systems
M. Drabowski, K. Czajkowski
11. Toward an Application Support Layer: Numerical Computation in Unified Parallel C
J.L. Brown, Z. Wen
12. Simple, List-based Parallel Programming with Transparent Load Balancing
J. Buenabad-Chavez, M.A. Castro-Garcia, G. Roman-Alonso
13. A Fortran evolution of mpC parallel programming language
A. Kalinov, I. Ledovskikh, M. Posypkin, Z. Levchenko, V. Chizov
14. Knowledge-based Runtime Prediction of Stateful Web Services for Optimal Workflow Construction
Z. Balogh, E. Gatial, M. Laclavik, M. Maliska, L. Hluchy
15. Unifying Grid Metadata Representation Through Ontologies
B. Kryza, M. Majewska, K. Krawczyk, R. Slota, J. Kitowski
16. Transparency in Object-Oriented Grid Database Systems
K. Kaczmarek, P. Habela, H. Kozankiewicz, K. Stencel, K. Subieta

17. Running Interactive Jobs in the Grid Environment
M. Lawenda, M. Okon, A. Oieksiak, B. Ludwiczak, T. Piontek,
J. Pukacki, N. Meyer, J. Nabrzyski
18. Comparison of Fixed and Dynamic Pricing Policies in a Computational Grid Market
O.O. Sonmez, A. Gursoy
19. Remote Task Submission and Publishing in BeesyCluster: Security and Efficiency of Web Service Interface
P. Czarnul, M. Bajor, M. Fraczak, A. Banaszczyk, M. Fiszer, K. Ramczykowska
20. A Framework for Managing Large Scale Computing Fabrics and Its Computational Complexity
P. Poznanski, J. Kitowski
21. Large Scalable Simulations of Mammalian Visual Cortex
G.M. Wojcik, W.A. Kaminski
22. Porting Thermomechanical Applications to Grid Environments
T. Olas, R. Wyrzykowski
23. Parallel Implementation of Software Package for Modelling Bi-phase Gas-Particle Flows
S. Pluta, R. Wyrzykowski
24. A Parallel Preconditioning for the Nonlinear Stokes Problem
P.J. Matuszyk, K. Boryczko
25. Hierarchical Classifier
I.T. Podolak, S. Biel, M. Bobrowski
26. A New Library for Evolutionary Algorithms
S. Gawiejnowicz, T. Onak, C. Suwalski
27. Increasing Dependability by Means of Modelbased Acceptance Test inside RTOS
Y. Zhao, S. Oberthuer, N. Montealegre, F.J. Ramming, M. Kardos
28. The Blood Vessel Recognition of Ocular Fundus
Z. Xu, X. Guo, X. Hu, X. Cheng, Z. Wang
29. Design and Simulation of an Input Queuing Packet Switch
A. Bilami, M. Lalam, M. Benmohammed