

Philip Heidelberger Publications

1. The BlueGene/P Team. (2008). Overview of the BlueGene/P Project. *IBM Journal of Research and Development*, Volume 52, Number 1/2 , January/March 2008, 199-220.
2. Vranas, P., Blumrich, M.A., Chen, D., Gara, A., Giampapa, M.E., Heidelberger, P., Salapura, V., Sexton, J.C., Soltz, R. And Bhanot, G. (2008). Massively Parallel Quantum Chromodynamics. *IBM Journal of Research and Development*, Volume 52, Number 1/2 , January/March 2008, 189-197.
3. Kumar, S., Sabharwal, Y., Garg, R. and Heidelberger, P. (2008). Optimization of All-to-All Communication on the Blue Gene/L Supercomputer. To appear in the proceedings of The 37th International Conference on Parallel Processing (ICPP-08).
4. Kumar, S., Dozsa, G., Berg, J., Miller, D., Ratterman, J. Smith, B. and Heidelberger, P. (2008). Architecture of the Component Collective Messaging Interface. To appear in the proceedings of the EuroPVM/MPI 2008 Conference.
5. Kumar, S., Dozsa, G., Almasi, G., Chen, D., Giampapa, M.E., Heidelberger, P., Blocksome, M., Faraj, A., Parker, J., Ratterman, J., Smith, B. and Archer, C. (2008). The Deep Computing Messaging Framework: Generalized Scalable Message Passing on the Blue Gene/P Supercomputer. To appear in the proceedings of the 22nd ACM International Conference on Supercomputing (ICS 2008) Conference.
6. Eleftheriou, M., Fitch, B.G., Rayshubskiy, A., Ward, T.J.C., Heidelberger, P. and Germain, R. (2008). A study of the effects of machine geometry and mapping on distributed transpose performance. *Proceedings of the 2008 Conference on Computing Frontiers (CF '08)*, ACM Press, 79-86.
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