Author Index Volume 17 (2009)

The issue number is given in front of the page numbers.

Araya-Polo, M., F. Rubio, R. de la Cruz, M. Hanzich, J.M. Cela and D.P. Scarpazza, 3D seismic imaging through reverse-time migration on homogeneous and heterogeneous multi-core processors (1,2) 185–198

Badia, R.M., see Bellens, P. (1,2) 77–95

Bellens, P., J.M. Perez, F. Cabarcas, A. Ramirez, R.M. Badia and J. Labarta, CellSS: Scheduling techniques to better exploit memory hierarchy (1,2) 77–95

Benton, B., see Kistler, M. (1,2) 43–57

Bodin, F., see Bodin, F. (4) 325–336

Bodin, F. and S. Bihan, Heterogeneous multicore parallel programming for graphics processing units (4) 325–336

Bodin, F., see Ibrahim, K.Z. (1,2) 153–172


Brunner, R.J., see Kindratenko, V.V. (3) 247–259


Cabarcas, F., see Bellens, P. (1,2) 77–95

Carothers, C.D., see Sahni, O. (3) 261–274

Cela, J.M., see Araya-Polo, M. (1,2) 185–198

Chaudhuri, M., see Vishwas, B.C. (1,2) 3–29

Choi, W., H. Kim, W. Song, J. Song and J. Kim, ePROMP: A tool for profiling and optimizing energy and performance of mobile multiprocessor applications (4) 285–294

Cornwell, T., see Varbanescu, A.L. (1,2) 113–134

de la Cruz, R., see Araya-Polo, M. (1,2) 185–198

Dimakopoulos, V.V., see Hadjidoukas, P.E. (4) 309–323

Dongarra, J., see Kurzak, J. (1,2) 31–42

Elmegreen, B.G., see Varbanescu, A.L. (1,2) 113–134

Gadia, A., see Vishwas, B.C. (1,2) 3–29

Gil, Y., From data to knowledge to discoveries: Artificial intelligence and scientific workflows (3) 231–246

Gottlieb, S.A., see Shi, G. (1,2) 135–151

Gunnels, J., see Kistler, M. (1,2) 43–57

Hadjidoukas, P.E., G.Ch. Philos and V.V. Dimakopoulos, Exploiting fine-grain thread parallelism on multicore architectures (4) 309–323

Hanzich, M., see Araya-Polo, M. (1,2) 185–198

Ibrahim, K.Z. and F. Bodin, Efficient SIMDization and data management of the Lattice QCD computation on the Cell Broadband Engine (1,2) 153–172

JaJa, J., see Kim, J. (1,2) 173–184

Jansen, K.E., see Sahni, O. (3) 261–274

Johnson, G., see Lubeck, O. (1,2) 199–208

Karpeev, D.A., see Knepley, M.G. (3) 215–230

Kim, H., see Choi, W. (4) 285–294

Kim, J. and J. JaJa, Streaming model based volume ray casting implementation for Cell Broadband Engine (1,2) 173–184

Kim, J., see Choi, W. (4) 285–294

Kindratenko, V.V., A.D. Myers and R.J. Brunner, Implementation of the two-point angular correlation function on a high-performance reconfigurable computer (3) 247–259

Kindratenko, V.V., see Shi, G. (1,2) 135–151

Kistler, M., J. Gunnels, D. Brokenshire and B. Benton, Programming the Linpack benchmark for the IBM PowerXCell 8i processor (1,2) 43–57

Knepley, M.G. and D.A. Karpeev, Mesh algorithms for PDE with Sieve I: Mesh distribution (3) 215–230

Kurzak, J. and J. Dongarra, QR factorization for the Cell Broadband Engine (1,2) 31–42

Kwoh, C.K., see Wirawan, A. (1,2) 97–111

Labarta, J., see Bellens, P. (1,2) 77–95

Lang, M., see Lubeck, O. (1,2) 199–208
Lubeck, O., M. Lang, R. Srinivasan and G. John-
son, Implementation and performance modeling of
deterministic particle transport (Sweep3D) on the
IBM Cell/B.E. (1,2) 199–208

Martinez, T.J., see Shi, G. (1,2) 135–151
Myers, A.D., see Kindratenko, V.V. (3) 247–259

Nagle, D., Python for Software Design, by Allen B.
Downey (3) 279–282
Nagle, D., The Art of Concurrency, by Clay Breshears
(4) 343–345

Perez, J.M., see Bellens, P. (1,2) 77–95
Phillips, J.C., see Shi, G. (1,2) 135–151
Philos, G.Ch., see Hadjidoukas, P.E. (4) 309–323
Pllana, S. and J.L. Träff, Introduction to the Scientific
Programming Special Issue: Software Development
for Multi-core Computing Systems (4) 283–284

Ramirez, A., see Bellens, P. (1,2) 77–95
Ramirez, A., see Rico, A. (1,2) 59–76
Rico, A., A. Ramirez and M. Valero, Available task-
level parallelism on the Cell BE (1,2) 59–76
Rubio, F., see Araya-Polo, M. (1,2) 185–198

Sahni, O., C.D. Carothers, M.S. Shephard and
K.E. Jansen, Strong scaling analysis of a parallel,
unstructured, implicit solver and the influence of the
operating system interference (3) 261–274
Savage, J.E. and M. Zubair, Evaluating multicore algo-
rithms on the unified memory model (4) 295–308

Scarpetza, D.P., see Araya-Polo, M. (1,2) 185–198
Schmidt, B., see Wirawan, A. (1,2) 97–111

Shephard, M.S., see Sahni, O. (3) 261–274
Shi, G., V.V. Kindratenko, I.S. Ufimtsev, T.J. Martinez,
J.C. Phillips and S.A. Gottlieb, Implementation of
scientific computing applications on the Cell Broad-
band Engine (1,2) 135–151
Sips, H., see Varbanescu, A.L. (1,2) 113–134
Song, J., see Choi, W. (4) 285–294
Song, W., see Choi, W. (4) 285–294
Srinivasan, R., see Lubeck, O. (1,2) 199–208

Träff, J.L., see Pllana, S. (4) 283–284
Ufimtsev, I.S., see Shi, G. (1,2) 135–151

Valero, M., see Rico, A. (1,2) 59–76
van Amesfoort, A.S., see Varbanescu, A.L. (1,2) 113–
134
van Diepen, G., see Varbanescu, A.L. (1,2) 113–134
van Nieuwpoort, R., see Varbanescu, A.L. (1,2) 113–
134
Varbanescu, A.L., A.S. van Amesfoort, T. Cornwell,
G. van Diepen, R. van Nieuwpoort, B.G. Elmegreen
and H. Sips, Building high-resolution sky images
using the Cell/B.E. (1,2) 113–134
Vishwas, B.C., A. Gadia and M. Chaudhuri, Imple-
menting a parallel matrix factorization library on
the cell broadband engine (1,2) 3–29

Wirawan, A., B. Schmidt, H. Zhang and C.K. Kwoh,
High performance protein sequence database scanning
on the Cell Broadband Engine (1,2) 97–111

Zhang, H., see Wirawan, A. (1,2) 97–111
Zubair, M., see Savage, J.E. (4) 295–308