

Author index for papers in Volume 38

Pages are numbered consecutively through the volume: 1-111, January; 113-240, March; 241-344, May; 345-488, July; 489-648, September; and 649-743, November.

- Agarwal, R. C.**, F. G. Gustavson, and M. Zubair
265 *Improving performance of linear algebra algorithms for dense matrices, using algorithmic prefetch*
- Agarwal, R. C.**, F. G. Gustavson, and M. Zubair
563 *Exploiting functional parallelism of POWER2 to design high-performance numerical algorithms*
- Agarwal, R. C.**, F. G. Gustavson, and M. Zubair
673 *A high-performance matrix-multiplication algorithm on a distributed-memory parallel computer, using overlapped communication*
- Alexander, W. P.**
555 see Franklin, M. T.
- Arbabi, M.**, S. M. Fischthal, V. C. Cheng, and E. Bart
183 *Algorithms for Arabic name transliteration*
- Arimilli, L. B.**
537 see Barreh, J. I.
- Arjavalasingam, G.**
659 see Deutsch, A.
- Baglin, J. E. E.**
413 *Thin film bonding using ion beam techniques—A review*
- Barreh, J. I.**, R. T. Golla, L. B. Arimilli, and P. J. Jordan
537 *POWER2 instruction cache unit*
- Bart, E.**
183 see Arbabi, M.
- Bergman, W. C.**
651 see Boudreau, P. E.
- Billings, R. V.**
621 see Brodnax, T. B.
- Blainey, R. J.**
577 *Instruction scheduling in the TOBEY compiler*
- Blaner, B.**
59 see Vassiliadis, S.
- Boudreau, P. E.**, W. C. Bergman, and D. R. Irvin
651 *Performance of a cyclic redundancy check and its interaction with a data scrambler*
- Bradford, B. L.**
117 *The Fast Staggered Transform, composite symmetries, and compact symmetric algorithms*
- Brodnax, T. B.**, R. V. Billings, S. C. Glenn, and P. T. Patel
621 *Implementation of the PowerPC 601 microprocessor*
- Brown, H. R.**
379 *Adhesion between polymers*
- Chan-Nui, C. C.**
545 see Welbon, E. H.
- Cheng, V. C.**
183 see Arbabi, M.
- Chesshire, G.** and V. K. Naik
285 *An environment for parallel and distributed computation with application to overlapping grids*
- Coppersmith, D.**
243 *The Data Encryption Standard (DES) and its strength against attacks*
- Denardo, E. V.**, A. J. Hoffman, T. Mackenzie, and W. R. Pulleyblank
301 *A nonlinear allocation problem*
- Derderian, T.**
441 see Saraf, R. F.
- Deutsch, A.**, G. Arjavalasingam, C. W. Surovic, A. P. Lanzetta, K. E. Fogel, F. Doany, and M. B. Ritter
659 *Performance limits of electrical cables for intrasystem communication*
- Dhawan, S.**
493 see White, S. W.
- Doany, F.**
659 see Deutsch, A.
- Dreyfus, R. W.**
3 see Vertes, A.
- Dürig, U.**
347 *Atomic-scale metal adhesion investigated by scanning tunneling microscopy*
- Egitto, F. D.** and L. J. Matienzo
423 *Plasma modification of polymer surfaces for adhesion improvement*
- Eickemeyer, R. J.**
59 see Vassiliadis, S.

- Fischthal, S. M.**
183 see Arbabi, M.
- Fogel, K. E.**
659 see Deutsch, A.
- Franklin, M. T., W. P. Alexander, R. Jauhari, A. M. G. Maynard, and B. R. Olszewski**
555 *Commercial workload performance in the IBM POWER2 RISC System/6000 processor*
- Fry, R. E.**
525 see Hicks, T. N.
- Glenn, S. C.**
621 see Brodnax, T. B.
- Glickstein, I. S.**
167 see Stiles, P. N.
- Golla, R. T.**
537 see Barreh, J. I.
- Gozzo, F.**
131 *Recursive least-squares sequence estimation*
- Griffith, T. W.**
503 see Shippy, D. J.
- Gustavson, F. G.**
265 see Agarwal, R. C.
- Gustavson, F. G.**
563 see Agarwal, R. C.
- Gustavson, F. G.**
673 see Agarwal, R. C.
- Harvey, P. E.**
525 see Hicks, T. N.
- Heisch, R. R.**
595 *Trace-directed program restructuring for AIX executables*
- Hicks, D. A.**
545 see Welbon, E. H.
- Hicks, T. N., R. E. Fry, and P. E. Harvey**
525 *POWER2 floating-point unit: Architecture and implementation*
- Ho, C.-T. and S. L. Johnsson**
31 *Embedding hyperpyramids into hypercubes*
- Hoffman, A. J.**
301 see Denardo, E. V.
- Hosking, J. R. M.**
251 *The four-parameter kappa distribution*
- Irvin, D. R.**
651 see Boudreau, P. E.
- Jauhari, R.**
555 see Franklin, M. T.
- Jensen, D. L. and R. A. Polyak**
307 *The convergence of a modified barrier method for convex programming*
- Johnson, D. B., S. M. Matyas, A. V. Le, and J. D. Wilkins**
217 *The Commercial Data Masking Facility (CDMF) data privacy algorithm*
- Johnsson, S. L.**
31 see Ho, C.-T.
- Jordan, P. J.**
537 see Barreh, J. I.
- Kurtzberg, Jerome M. and Menachem Levanoni**
11 *ABC: A better control for manufacturing*
- Lanzetta, A. P.**
659 see Deutsch, A.
- Le, A. V.**
217 see Johnson, D. B.
- Lee, K.-W. and A. Viehbeck**
457 *Wet-process surface modification of dielectric polymers: Adhesion enhancement and metallization*
- Levanoni, Menachem**
11 see Kurtzberg, Jerome M.
- Mackenzie, T.**
301 see Denardo, E. V.
- Marsh, R. A.**
195 see Rudd, J. G.
- Matienzo, L. J.**
423 see Egitto, F. D.
- Matyas, S. M.**
217 see Johnson, D. B.
- Maynard, A. M. G.**
555 see Franklin, M. T.
- McNutt, B.**
47 *Background data movement in a log-structured disk subsystem*
- Merkel, L. J.**
605 see Vaden, M. T.
- Mhaskar, H. N. and C. A. Micchelli**
277 *Dimension-independent bounds on the degree of approximation by neural networks*
- Micchelli, C. A.**
277 see Mhaskar, H. N.
- Moore, C. R.**
605 see Vaden, M. T.
- Naik, V. K.**
285 see Chesshire, G.
- Olszewski, B. R.**
555 see Franklin, M. T.
- Patel, P. T.**
621 see Brodnax, T. B.
- Platt, D. E.**
3 see Vertes, A.
- Polyak, R. A.**
307 see Jensen, D. L.
- Potter, T. M.**
605 see Vaden, M. T.
- Pritt, M. D.**
157 *Automated subpixel image registration of remotely sensed imagery*
- Pulleyblank, W. R.**
301 see Denardo, E. V.
- Raghavan, P. and M. Snir**
683 *Memory versus randomization in on-line algorithms*
- Reese, R. J.**
605 see Vaden, M. T.
- Ritter, M.**
659 see Deutsch, A.
- Roecker, J. A.**
195 see Rudd, J. G.
- Roldan, J. M.**
441 see Saraf, R. F.

Rudd, J. G., R. A. Marsh, and J. A. Roecker
195 *Surveillance and tracking of ballistic missile launches*

Saraf, R. F., J. M. Roldan, and T. Derderian
441 *Tailoring the surface morphology of polyimide for improved adhesion*

Shippy, D. J.
545 see Welbon, E. H.

Shippy, D. J. and T. W. Griffith
503 *POWER2 fixed-point, data cache, and storage control units*

Shub, M.
259 *The implicit function theorem revisited*

Snir, M.
683 see Raghavan, P.

Spool, A. M.
391 *Studies of adhesion by secondary ion mass spectrometry*

Stiles, P. N. and I. S. Glickstein
167 *High parallelizable route planner based on cellular automata algorithms*

Surovic, C. W.
659 see Deutsch, A.

Thouless, M. D.
367 *Fracture mechanics for thin-film adhesion*

Vaden, M. T., L. J. Merkel, C. R. Moore, T. M. Potter, and R. J. Reese
605 *Design considerations for the PowerPC 601 microprocessor*

Vassiliadis, S., B. Blaner, and R. J. Eickemeyer
59 *SCISM: A scalable compound instruction set machine*

Vertes, A., R. W. Dreyfus, and D. E. Platt
3 *Modeling the thermal-to-plasma transitions for Cu photoablation*

Viehbeck, A.
457 see Lee, K.-W.

Welbon, E. H., C. C. Chan-Nui, D. J. Shippy, and D. A. Hicks
545 *The POWER2 performance monitor*

White, S. W. and S. Dhawan
493 *POWER2: Next generation of the RISC System/6000 family*

Wilkins, J. D.
217 see Johnson, D. B.

Zubair, M.
265 see Agarwal, R. C.

Zubair, M.
563 see Agarwal, R. C.

Zubair, M.
673 see Agarwal, R. C.