

## References

- [1] S.M. Achasova. Synchronous-asynchronous cellular computations. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 1–6. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [2] Alexey I. Adamovich. ct: An imperative language with parallelizing features supporting the computation model "autotransformation of the evaluation network". In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 127–141. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [3] Gennady P. Agibalov. Parallel computations and finite automata on semilattices. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 7–15. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [4] A.V. Anisimov. Linear fibonacci forms and parallel algorithms for high dimension arithmetic. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 16–20. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [5] O.L. Bandman. Cellular-neural computations: Formal model and possible applications. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 21–35. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [6] Luis Barriga and Rassul Ayani. New trends in simulation of distributed shared memory architectures. In Victor Malyshkin, editor, *Proceedings*

*of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 314–319. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.

- [7] Siegfried Benkner. Vienna fortran 90 — an advanced data parallel language. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 142–156. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [8] Oleg Bessonov, Valery Brailovskaya, Vadim Polezhaev, and Bernhard Roux. Parallelization of the solution of 3d navier-stokes equations for fluid flow in a cavity with moving covers. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 385–399. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [9] Alessandro Bianchi, Stefano Coluccini, Pierpaolo Degano, and Corrado Priami. An efficient verifier of truly concurrent properties. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 36–50. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [10] A.V. Borshchev, Yu.G. Karpov, and V.V. Roudakov. Covers — a tool for the design of real-time concurrent systems. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 219–233. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [11] Cristoph Büsler, Stefan Jablonski, Thomas Kirsche, Hans Schuster, and Hartmut Wedekind. Architectural issues of distributed workflow man-

- agement systems. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 370–384. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [12] Francis Caudal and Bernard Lecussan. Design and evaluation of a multi-threaded architecture for parallel graph reduction. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 411–426. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
  - [13] P. Ciancarini and P. Mancini. Distributing search and knowledge using a coordination language. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 400–410. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
  - [14] Anatoly E. Doroshenko. Programming abstracts for synchronization and communication in parallel programs. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 157–162. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
  - [15] Daniel Etiemble and Cécile Germain. Standard microprocessors versus custom processing elements for massively parallel architectures. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 320–325. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
  - [16] Vladimir A. Evstigneev and Victor N. Kasyanov. A program manipulation system for fine-grained architectures. In Victor Malyshkin,

- editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 163–168. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [17] Ya.I. Fet and D.A. Pospelov. Parallel computing in russia. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 464–476. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
  - [18] Franco Gasperoni, Uwe Schwiegelshohn, and John Turek. Optimal loop scheduling on multiprocessors: A pumping lemma for  $p$ -processor schedules. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 51–56. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
  - [19] Bernard Goossens and Duc Thang Vu. Further pipelining and multithreading to improve risc processor speed. a proposed architecture and simulation results. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 326–340. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
  - [20] Wolfgang Händler. Early approaches to parallel processing: Increasing performance and dependability. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 477–495. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
  - [21] Peter Hartmann. Parallel and distributed processing of cellular hypergraphs. In Victor Malyshkin, editor, *Proceedings of the 3rd International*

*Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 57–69. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.

- [22] Christian Hochberger, Rolf Hoffmann, and Stefan Waldschmidt. Compilation of cdl for different target architectures. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 169–179. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [23] Anna Hordroudakis, Rob Procter, and Kesavan Shanmugam. Performance evaluation and visualization with vispat. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 180–185. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [24] A.R. Hurson and Byung-Uk Jun. Optimization scheme on execution of logic program in a dataflow environment. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 204–218. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [25] R. Hüslér, H. Vonder Mühll, A. Gunzinger, and G. Tröster. Dataparallel programming with intelligent communication. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 186–203. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [26] Edgard Kessy, Alexei Stoukov, and Dany Vandromme. Numerical simulation of reacting mixing layer with a parallel implementation. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference*

*on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 453–463. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.

- [27] Rainer Klar and Peter Dauphin. Status and prospect of zm4/simple/pepp: An event-oriented evaluation environment for parallel and distributed programs. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 234–240. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [28] O.V. Klimova. The separating decomposition of discrete fourier transform and vectorization of its calculation. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 241–245. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [29] A. Kremlev, O. Monakhov, and T. Thiel. Parallel seismic data processing method for memsy multiprocessor system. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 434–438. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [30] Thomas Ludwig and Stefan Lamberts. Pfslib — a parallel file system for workstation clusters. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 246–251. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [31] I.G. Mamedova. Implementation of the multigrid method for solving the boundary-value problems for the poisson and helmholtz equations on the massively parallel computers. In Victor Malyshkin, editor, *Proceedings*

*of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 427–433. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.

- [32] V. Markova and S. Piskunov. Computer models of 3d cellular structures. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 70–84. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [33] Ann Sh. Nepomniaschaya. Comparison of two mst algorithms for associative parallel processors. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 85–93. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [34] V.A. Nepomniaschy, G.I. Alekseev, A.V. Bystrov, T.G. Churina, S.P. Mylnikov, and E.V. Okunishnikova. Petri net modelling of estelle-specified communication protocols. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 94–108. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [35] Atilla Özerdim, M. Osman Ünalir, Oğuz Dikenelli, and Esen Ozkarahan. Parma: A multiattribute file structure for parallel database machines. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 258–272. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [36] Esen Ozkarahan. Hardware and software platform for information processing. In Victor Malyshkin, editor, *Proceedings of the 3rd International*

*Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 439–452. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.

- [37] Marc Michel Pic, Hassane Essafi, Marc Viala, and Laurent Nicolas. T++: An object-oriented language to express task and data parallelism on multi-simd computers. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 273–287. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [38] M. Royak, E. Shurina, Yu. Soloveichik, and V. Malyshkin. Parallelization of computer code mastac three-dimensional finite elements method implementing. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 304–313. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [39] Yousef Saad and Andrei V. Malevsky. Data structures, computational, and communication kernels for distributed memory sparse iterative solvers. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 252–257. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [40] Bettina Schnor. Dynamic scheduling of parallel applications. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 109–116. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [41] Vason P. Srinivas. Dfs-supermpx: Low-cost parallel processing system for machine vision and image processing. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel*

*Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 356–369. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.

- [42] Alexander Vazhenin and Vitaly Morozov. Parallel iterative solution of systems of linear equations with dynamically changed length of operands. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 294–303. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [43] Guennadi Vesselovski and Marina Kupriyanova. A method for analyzing combinatorial properties of static connecting topologies. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 117–126. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [44] Vladimir Vlassov, Hallo Ahmed, and Lars-Eric Thorelli. meda-2: An extension of pvm. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 288–293. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.
- [45] A.V. Zabrodin, V.K. Levin, and V.V. Korneev. The massively parallel computer system mbc-100. In Victor Malyshkin, editor, *Proceedings of the 3rd International Conference on Parallel Computing Technologies, PaCT'95, (St. Petersburg, Russia, September 12-25, 1995)*, volume 964 of *LNCS*, pages 341–355. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1995.