

## CURRICULUM VITAE - N.M. MISSIRLIS

### Name

Nikolaos M. Missirlis

### Address

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### Academic Qualifications

1975 - 1978: Ph.D, Department of Computer Studies, Loughborough University of Technology, UK.

1970 - 1974: B.Sc. in Applied Mathematics, Department of Mathematics, University of Ioannina, Ioannina, Greece.

### Appointments

1995 - today: Professor, Department of Informatics, Section of Theoretical Informatics, University of Athens, Athens, Greece.

1/3-27/5 2013 Visiting Scholar, Department of Applied Mathematics and Statistics, University of Stony Brook, USA.

2006 - 2008 : Visiting Professor, Department of Computer Science, University of Cyprus, Nicosia, Cyprus.

1989 - 1995: Associate Professor, Department of Informatics, Section of Theoretical Informatics, University of Athens, Athens, Greece.

1986 - 1987: a) Visiting Associate Professor, Department of Computer Science, Rutgers University, New Brunswick, New Jersey, U.S.A.

b) Visiting Researcher, Parallel Computing Laboratory, Center for Computer Aids for Industrial Productivity, Rutgers University, New Brunswick, New Jersey, U.S.A.

1985 - 1989: Assistant Professor, Section of Numerical Analysis and Computer Science Department of Mathematics, University of Athens.

1980 - 1985: Lecturer, Section of Numerical Analysis and Computer Science, Department of Mathematics, University of Athens.

### Research Interests

Combinatorial Scientific Computing, Parallel Numerical Linear Algebra, Load Balancing, Parallel Computational Fluid Dynamics, Parallel Linear Programming.

### Book Publications

1. Numerical Analysis : An algorithmic approach, 2009.
2. Introduction to Programming with C, 2002.
3. Introduction to Data Structures with C, 2002.
4. Pascal and Turbo Pascal, Symmetria, 1992.

5. Data Structures (with Pascal), Symmetria, 1994.

### **Teaching Activities**

#### *Graduate level*

1. Numerical Analysis
2. Numerical Linear Algebra
3. Algorithms and Complexity
4. Introduction to Programming
5. Data Structures

#### *Postgraduate level*

1. Scientific Computing (Numerical Solution of Partial Differential Equations)
2. Parallel Algorithms

### **PhD Advisor**

1. F. Tzaferis, 1994. Assistant Professor, Department of Informatics and Telecommunications, University of Athens.
2. L. Boukas, 1998. Lecturer, Department of Information and Communication Systems Engineering, Aegean University, Karlovasi, Samos, Greece.
3. G. Karagiorgos 2002. Assistant Professor, Department of Computer Science, Higher Education Technology Institution of Kalamata, Kalamata, Greece.
4. M. Louka, 2010. Post Doctor, Department of Informatics and Telecommunications, Athens, Greece.
5. A. Dimitrakopoulou, PhD student, Department of Informatics and Telecommunications, Athens, Greece.

### **Projects**

- 2004 - 2008: PYTHAGORAS : Distributed Iterative methods for the numerical solution of the Convection – Diffusion equation with application to Weather Prediction Numerical Models. National Project.
- 1999 – 2001: Development of a high accuracy weather prediction system for marine applications. National Project (EΠET II).
- 1998 - today: Parallelization of the Princeton Ocean Model. National Project (EΠET II).
- 1995 - 1998: Development of a high accuracy numerical weather prediction system on high performance computers. National Project (EΠET II).
- 1992 - 1994: Development of parallel methods for the numerical solution of Partial Differential Equations. National Project (ΠΕΝΕΔ).
- 1986 - 1987: Implementation of parallel numerical methods for the Ncube-10 Computer, Parallel Computing Laboratory, Rutgers University, USA.
- 1986 - 1988: Development and Evaluation of Parallel Algorithms. National Program (ΠΕΝΕΔ).

### **Scientific Publications/Citations**

1. 33 publications in journals
2. 44 conference publications

## Publications in Journals

### Websites

<http://www.ams.org/mathscinet/search/publications.html?pg1=INDI&sl=125510>

[https://www.researchgate.net/profile/Nikolaos\\_Missirlis/?ev=hdr\\_xprf](https://www.researchgate.net/profile/Nikolaos_Missirlis/?ev=hdr_xprf)

[http://www.informatik.uni-trier.de/~lev/pers/hd/m/Missirlis:Nikolaos\\_M=.html](http://www.informatik.uni-trier.de/~lev/pers/hd/m/Missirlis:Nikolaos_M=.html)

1. C. Lu, X. Jiao and N. M. Missirlis, *A hybrid geometric + algebraic multigrid method with semi-iterative smoothers*, Numer. Lin. Alg. Appl., Vol 21, Issue 2, pp. 221-238, 2014.
2. Y. Cotronis, E. Konstantinidis, M. A. Louka and N. M. Missirlis, *A comparison of CPU and GPU implementations for solving the Convection Diffusion equation using the Local Modified SOR method*, Parallel Computing, 2014 (in print).
3. M. A. Louka and N. M. Missirlis, *A comparison of the Generalized Extrapolated Successive Overrelaxation and Generalized Preconditioned Simultaneous Displacement methods for the solution of augmented linear systems (under revision)*.
4. M. A. Louka, N. M. Missirlis and F. I. Tzaferis, *Is Modified PSD equivalent to Modified SOR method for two-cyclic matrices?* J. of Linear Algebra and Its Applications, Vol. 432, Issue 11, pp. 2798-2815, June 2010.
5. M. A. Louka, N. M. Missirlis and F. I. Tzaferis, *The impact of the eigenvalue locality on the convergence of the PSD method for two cyclic matrices*, J. of Linear Algebra and Its Applications, 2009. [doi:10.1016/j.laa.2008.10.033](https://doi.org/10.1016/j.laa.2008.10.033)
6. G. Karagiorgos and N. M. Missirlis, *Diffusive load balancing for parallel solution of Partial Differential Equations*, Scalable Computing Practice and Experience, Vol. 9, No. 1, pp. 61-68, 2008.
7. G. Karagiorgos and N. M. Missirlis, *Convergence of the Diffusion method for weighted torus graphs using Fourier analysis*, Theoretical Computer Science, Vol. 401, Issues 1-3, pp. 1-16, July 2008.
8. G. A. Gravvanis, K. M. Giannoutakis and N. M. Missirlis, *A distributed normalized explicit preconditioned conjugate gradient method*, Journal of Parallel Algorithms and Applications, Vol. 19 (2-3), pp. 163-174, 2004.
9. A. A. Consta, N. M. Missirlis and F. I. Tzaferis, *The Local Modified Extrapolated Gauss-Seidel (LMEGS) Method*, Journal of Computer and Structures, Vol. 82, 2447-2451, 2004.
10. G. Karagiorgos and N. M. Missirlis, *Accelerated Diffusion Algorithms for Dynamic Load Balancing*, Information Processing Letters, 84, 61-67, 2002.
11. G. Karagiorgos and N. Missirlis, *Fourier analysis for solving the Load Balancing Problem*, Journal of Foundations of Computing and Decision Science, Vol. 27, No. 3, 2002.
12. L. A. Boukas, N. Th. Mimikou and N. M. Missirlis, *A parallel implementation of the Eta model*, Intern. J. of Parallel and Distributed Systems and Networks, Vol. 1, No. 2, 57-64, 1998.
13. L. A. Boukas and N. M. Missirlis, *A parallel local Modified SOR for nonsymmetric linear systems*, Intern. J. of Comput. Math., 68, 153-174, 1998.
14. N. M. Missirlis and F. I. Tzaferis, *The Huard Method on a Shared Memory MIMD Computer*, Parallel Algorithms and Applications, 11, 249-272, 1997.
15. N. M. Missirlis and F. I. Tzaferis, *Parallel block methods for solving linear systems*, Parallel Algorithms and Applications, 5, 57-68, 1995.

16. N. M. Missirlis and N. G. Gaitanos, *Extensions of the symmetric Successive Overrelaxation theory*, International Journal of Computer Mathematics, 55, 197-210, 1995.
17. N. M. Missirlis and N. G. Gaitanos, *Extensions of the Ostrowski-Reich Theorem*, Linear Algebra and Its Applications, 207, 147-157, 1994.
18. N. M. Missirlis, *Scheduling parallel iterative methods on multiprocessor systems*, Parallel Computing, 8, 295-302, 1987.
19. N. M. Missirlis, *A parallel iterative system solver*, Linear Algebra and its Appl., 65, 25-44, 1985.
20. N. M. Missirlis and D.J. Evans, *A comparison of rates of convergence for the modified alternating direction preconditioning (MADP) method*, MACS, 27, 373-382, 1985.
21. M. Hatzopoulos and N.M. Missirlis, *Advantages for solving linear systems in an asynchronous environment*, J. of Comp. and Appl. Math., 12 and 13, 331-340, 1985.
22. N. M. Missirlis, *Convergence theory of extrapolated iterative methods for a certain class of non-symmetric linear systems*, Numerisch Mathematik, 45, 447-458, 1984.
23. N. M. Missirlis, *The extrapolated first order method for solving systems with complex eigenvalues*, BIT, 24, 357-365, 1984.
24. N.M. Missirlis and D. J. Evans, *The Extrapolated Successive Overrelaxation (ESOR) method for consistently ordered matrices*, Intern. J. Math. and Math. Sciences, 7, No. 2, 361-370, 1984.
25. N. M. Missirlis and D. J. Evans, *The Modified Preconditioned Displacement (MPSD) method*, MACS, 26, 257-262, 1984.
26. D. J. Evans and N. M. Missirlis, *Block Preconditioned iterative methods*, Intern., J. Computer Math., 15, 77-95, 1984.
27. N. M. Missirlis, *Convergence of a parallel Jacobi-type method*, Intern., J. Computer Math., 14, 371-384, 1983.
28. D. J. Evans and N. M. Missirlis, *On the preconditioned Jacobi method for solving large linear systems*, Computing, 19, 167-173, 1982.
29. N. M. Missirlis and D. J. Evans, *On the convergence of some generalized preconditioned iterative methods*, SIAM J. Num. Anal., 18, No. 4, 591-596, 1981.
30. N. M. Missirlis and D.J. Evans, *On the dynamic acceleration of the Preconditioned Simultaneous Displacement (PSD) method*, Intern. J. Computer Math., 10, 153-176, 1981.
31. D. J. Evans, E. A. Lipitakis and N. M. Missirlis, *On sparse and compact preconditioned conjugate gradient methods for partial differential equations*, Intern. J. Computer Math., 9, Section B, 55-80, 1981.
32. D. J. Evans and N. M. Missirlis, *On the acceleration of the Preconditioned Simultaneous Displacement method*, MACS, 23, No. 2, 191-198, 1981.
33. N. M. Missirlis and D. J. Evans, *The Preconditioned Simultaneous Displacement Method (PSD method) for elliptic difference equations*, MACS, 22, No. 3, 256-263, 1980.
34. D. J. Evans and N. M. Missirlis, *The Modified Alternating Direction Preconditioning method for the numerical solution of elliptic selfadjoint Partial Differential Equations*, BIT, 9, 172-185, 1979.

### **Publications in Conferences and Books**

1. K. Dimitrakopoulou and N. M. Missirlis, *Optimal Diffusion for load balancing in heterogeneous networks*, PPAM 2013, Warsaw 2013.
2. Y. Cotronis, E. Konstantinidis, M. L. Louka and N. M. Missirlis, *Parallel SOR for solving the Convection Diffusion equation using GPU with CUDA*, EuroPar2012, LNCS 7484, 575-586, 2012.
3. M. A. Louka and N. M. Missirlis, *Generalized Iterative Methods*, NumAn2010, Chania, Greece, September 2010.

4. G. Markomanolis and N. M. Missirlis, *Optimum diffusion for load balancing in mesh networks*, EuroPar2010, LNCS 6271, 230-241, 2010.
5. N. M. Missirlis, *Towards optimum diffusion for load balancing in heterogeneous torus*, 5<sup>th</sup> International Workshop on Parallel Matrix Algorithms and Applications (PMAA'08), 20-22, June 2008, Neuchatel, Switzerland.
6. M. A. Louka, N. M. Missirlis and F. I. Tzaferis, *The Generalized Extrapolated SOR method for augmented linear systems*, NumAnal2008, Kalamata, Greece, September 2008.
7. M. A. Louka, N. M. Missirlis and F. I. Tzaferis, *The Modified Preconditioned Simultaneous Displacement (MPSD) Method for two-cyclic systems*, IMA Conference on Numerical Linear Algebra and Optimization, University of Birmingham, UK, September 13-15, 2007.
8. M. A. Louka, N. M. Missirlis and F. I. Tzaferis, *The Optimum Preconditioned Simultaneous Displacement Method for 2-cyclic matrices*, NumAn2007, Kalamata, Greece, September 3-7, 82-85, 2007.
9. N. M. Missirlis, G. Karagiorgos and F. I. Tzaferis, *Fast diffusion load balancing algorithms on torus graphs*, Euro-Par 2006, Parallel Processing, 12<sup>th</sup> Intern. Euro-par conference, Dresden University of Technology Center for Information Services and High Performance Computing, Dresden, Germany, 28<sup>th</sup> August-1<sup>st</sup> September, 2006, Proceedings LNCS 4128, 222-231, Springer 2006.
10. G. Karagiorgos, P. Katsafados, A. Kontarinis, N. M. Missirlis and F. I. Tzaferis, *Load balancing for the numerical solution of the Navier-Stokes equations*, PARA06, Workshop on state-of-art in scientific and parallel computing, 761-773, Sweden, June 18-21, 2006.
11. A. A. Consta, N. M. Missirlis, F. I. Tzaferis, *A distributed 9-point SOR method*, 17th IMACS World Congress, Scientific Computation, Applied Mathematics and Simulation, Paris, France, 2005
12. A. A. Consta, N. M. Missirlis, F. I. Tzaferis, *A Multiparametric Gauss-Seidel method suitable for distributed computing*, The 2nd Intern. Conference on Computational Science and Engineering (ICCSE 2005), 261-269, Istanbul Technical University, June 27-30, 2005 Istanbul, Turkey.
13. A. A. Consta, N. M. Missirlis, F. I. Tzaferis, *A Parallel Multiparametric Gauss-Seidel method*, 6th European Conference of Numerical Mathematics and Advanced Applications (ENUMATH), Santiago de Compostella, Spain, 2005
14. G. Karagiorgos and N. M. Missirlis, *Convergence analysis of the extrapolated diffusion method for weighted torus graph*, 17th IMACS World Congress, Scientific Computation, Applied Mathematics and Simulation, Paris, France, 2005
15. G. Karagiorgos, A. Kontarinis and N. M. Missirlis, *Load Balancing for solving Partial Differential Equations*, Proceedings of the eleventh ECMWF Workshop on the use of High Performance Computing in Meteorology, eds. W. Zwiefelhofer and G. Mozdzynski, World Scientific, Reading, UK, 2004
16. G. Karagiorgos, N. M. Missirlis and F. I. Tzaferis, *The Generalized Diffusion Method for the Load Balancing Problems*, Parallel Computing: Software Technology, Algorithms, Architectures and Applications, ParCo 2003, Dresden, Germany, Proceedings ParCo Conference, 225-232, 2004, North Holland Elsevier.
17. G. Karagiorgos, G. Kollias, N. M. Missirlis and E. Tsigaridas, *On the optimum value of  $\tau$  for a variant of the diffusion method*, Computational Fluid and Solid Mechanics 2003 (Proceedings of the Second MIT Conference on Computational Fluid and Solid Mechanics), eds. K.J. Bathe, Vol. 2, 2019-2022, Elsevier.
18. A. A. Consta, N. M. Missirlis and F.I. Tzaferis, *The Local Modified Extrapolated Gauss-Seidel (LMEGS) Method*, Computational Fluid and Solid Mechanics 2003 (Proceedings of the Second MIT Conference on Computational Fluid and Solid Mechanics), eds. K. J. Bathe, Vol. 2, 1911-1914, Elsevier.

19. N. M. Missirlis and F.I. Tzaferis, *A Distributed SOR method: Theory and Results, Iterative Solvers for Large Linear Systems*, Proceedings, pp. 26-27, Latsis Symposium 2002, ETH Zurich.
20. G. Karagiorgos and N. M. Missirlis, *The Generalized Diffusion Method for the Load Balancing Problem*, ACA 2002, 8<sup>th</sup> International Conference on Applications of Computer Algebra, June 25-28, Volos, Greece.
21. N. M. Missirlis and F. I. Tzaferis, *The Local Modified Extrapolated Gauss-Seidel (LMEGS) Method*, ACA 2002, 8<sup>th</sup> International Conference on Applications of Computer Algebra, June 25-28, Volos, Greece.
22. G. Karagiorgos and N. M. Missirlis, *The Average Diffusion Method for the Load Balancing Problem*, eds. P. Sloot, C.J.K. Tam, J. Dongarra and A.G. Hoekstral, International Conference in Computational Science 2002, LNCS 2329, part 1 pp. 623-632, April 21-24, Amsterdam, 2002.
23. G. Karagiorgos and N. M. Missirlis, *Iterative Algorithms for Distributed Load Balancing*, Proceedings of the 4<sup>th</sup> International Conference on Principles of Distributed Systems, OPODIS 2000, ed. F. Butelle, Special issue of Studia Informatica Universalis, 37-54.
24. G. Karagiorgos and N. M. Missirlis, *Iterative Load Balancing Schemes for Air Pollution Models in Large-Scale Scientific Computing*, eds. S. Margenov, J. Wasniewski and P. Yalamov, Third International Conference, Lecture Notes in Computer Science 2179, Sozopol, Bulgaria, 2001, 291-298.
25. G. Karagiorgos, N. M. Missirlis and F. Tzaferis, *Dynamic load balancing for atmospheric models*, Proceedings of the Ninth ECMWF Workshop on the use of High Performance Computing in Meteorology, Developments in teracomputing, November 13-17, 2000, Reading, UK, eds. W. Zwiefelhofer and N. Kreitz, World Scientific, 214-226.
26. G. Kallos, S. Nickovic, D. Jovic, O. Kakaliagou, A. Papadopoulos, N. M. Missirlis, L. A. Boukas, N. Mimikou, G. Sakellarides, J. Papageorgiou, E. Anadranistakis and M. Manousakis, *The Regional Weather Forecasting System SKIRON and its capability for forecasting dust uptake and transport*, Proceedings of the WMO conference on dust storms, 1-6 November 1997, Damaskus, Syria, pp 9.
27. L. A. Boukas, N. Th. Mimikou, N. M. Missirlis, G. L. Mellor, A. Laskaratos and G. Korres, *The parallelisation of the Princeton Ocean model*, Europar '99 Parallel Processing, 5<sup>th</sup> Intern. Euro-Par Conference, Toulouse, France, 1999, Lecture Notes in Computer Science 1685, eds. P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, D. Ruiz, Springer, 1395-1402.
28. N. M. Missirlis, *Iterative methods for solving Partial Differential equations on distributed memory processors*, Proceedings of the sixth Intern. Colloquium on Numerical Analysis and Computer Science with Applications, August 1997, Ploudiv, Bulgaria, ed. E. Minchev, Academic Publications, pp. 127-135.
29. L. A. Boukas, N.Th. Mimikou, N. M. Missirlis and G. Kallos, *The Regional Weather Forecasting system SKIRON: PARALLEL Implementation of the Eta model*, Proceedings of the Eighth ECMWF Workshop on the use of Parallel Processors in Meteorology, *Towards Teracomputing*, eds. W. Zwiefelhofer and R. Kreitz, ECMWF, Reading, UK, World Scientific, pp. 369-389, 1999.
30. L. A. Boukas, N. Th. Mimikou and N. M. Missirlis, *Design and Implementation issues of parallelizing atmospheric models*, Computational Fluid Dynamics '98, Invited Lectures, Minisymposia and Special Technological Sessions of the Fourth European Computational Fluid Dynamics Conference, September 7-11, 1998, Athens, Greece, eds. K.D. Papailiou, D. Tsahalidis, J. Périaux and D. Knörzer, Vol. 2, J. Wiley, 472-481, 1998.
31. L. A. Boukas, N. Th. Mimikou, N. M. Missirlis, G. L. Mellor, A. Laskaratos and G. Korres, *A first approach towards the Parallelization of the Princeton Ocean model*, presented at the International Conference Coastal and Ocean Modelling, November 12-14, 1998, Valletta, Malta.

32. L. A. Boukas, N. Th. Mimikou and N. M. Missirlis, *Parallel Weather Prediction Models*, presented at the Conference HiPer '98, High-Performance Computing on Hewlett-Packard Systems, October 14-16, 1998, ETH, Zurich, Switzerland.
33. L. A. Boukas and N. M. Missirlis, *A Parallel Iterative Scheme for solving the convection Diffusion equation on Distributed Memory Processors*, Proceedings, NATO Advanced Research Workshop, Large Scale Computations in Air Pollution Modelling, eds. Z. Zlatev, J. Brandt, P.J.H. Builtjes, G. Carmichael, I. Dimou, J. Dongarra, H. van Dop, K. Georgier, H. Hass and R. San Jose, NATO Science Series 2. Environmental Security-vol. 57, Kluwer, July 6-10, Sofia, Bulgaria (invited), 79-88, 1999.
34. L. A. Boukas, N. Th. Mimikou and N.M. Missirlis, *A parallel implementation of the Eta model*. Proceedings of the Symposium on Regional Weather Prediction On Parallel Computer Environments, eds. G.L Kallos, V. Kotroni K. Lagouvardos, 123-136, October 15-17, Athens 1997.
35. L. A. Boukas and N. M. Missirlis, *Parallel Iterative methods for solving Partial Differential Equations on Distributed Memory Processors*, Proceedings of the Symposium on Regional Weather Prediction On Parallel Computer Environments, eds. G.L. Kallos, V. Kotroni, K. Lagouvardos, 123-136, October 15-17, Athens 1997.
36. L. A. Boukas and N. M. Missirlis, *Analysis of the 9-point local SOR method and its parallel implementation*, Abstracts of the 2nd European Conference on Numerical Mathematics and Advanced Applications, Sept. 29-Oct. 3, Heidelberg, Germany, 1997. Also, invited by Zahari Zlatev to be given at the "Minisymposium on Running large scale environmental models on high speed computers", ninth SIAM Conference on Discrete Mathematics, July 12-15, 1998, University of Toronto, Toronto, Canada, 1998.
37. N. M. Missirlis, *Parallel Iterative methods for Partial Differential Equations on Distributed Memory Processors*, Sixth International Colloquium on Numerical Analysis and Computer Science with Applications, August 13-17, Plovdiv, Bulgaria, 1997 (invited).
38. G. L. Kallos, S. Nickovic, D. Jovic, O. Kakaliagou, A. Papadopoulos, N. M. Missirlis, L. A. Boukas and N. Mimikou, *The Eta Model Operational Forecasting System and its Parallel Implementation*, "Large scale Scientific Computations of Engineering and Environmental Problems", eds. M. Griebel, O.P. Iliev, S.D. Mergenov, P.S. Vassilevski, Notes on Numerical Fluid Mechanics, Vol. 62, Vieweg, 176-188, 1998. Proceedings of the First Workshop on Large-Scale Scientific Computations, Varna, Bulgaria, June 7-11, 1997.
39. N. Argyropoulos, L. A. Boukas, N. Th. Mimikou, N. M. Missirlis and J. G. Papageorgiou, *A Distributed Implementation of the Numerical Weather Prediction Eta Model*, presented at the IASTED International Conference Parallel and Distributed Systems, Euro-PDS '97, June 9-11, 1997, Barcelona, Spain and appeared in the Proceedings of the IASTED Conference on Parallel and Distributed Computing and Networks, IASTED/Acta Press, 301-304, 1997 (also accepted, after selection, to be published in extended form in the Intern. J. of Parallel Distributed Systems and Networks, see [22]).
40. L. A. Boukas and N. M. Missirlis, *Iterative methods for solving the Navier-Stokes equations on a mesh network of transputers*, High Performance Computing Network Conference '96, Lecture Notes in Computer Science, Eds. J. Goos, J. Hartmanis and J. van Leeuwen, Vol. 1067, pp. 974-977, 1996, Springer. (also accepted but not presented at the Miskolc Conference: Numerical methods and Computational Mechanics in Science and Engineering, Institute of Mathematics, Univ. of Miskolc, Hungary, 1996).
41. N. M. Missirlis and F. I. Tjaferis, *A parallel iterative method for solving linear systems on a shared memory MIMD computer*, Second International Conference Computational Structures Technology, Advances in Parallel and Vector Processing for Structural Mechanics, Civil-Comp Press, 1994.
42. A.Gerasoulis, N. M. Missirlis, I. Nelken and R. L. Peskin *Implementing Gauss Jordan on a Hypercube Multiprocessor*, third conference on hypercube concurrent computers and applications, California Institute of Technology, February 1988 (Proceedings published by ACM).

43. N. M. Missirlis and F. Tjafaris, *Parallel Matrix Factorizations on a shared memory MIMD computer*, Supercomputing '87 1st International Conference, June 8-12, Athens, 1987, Lecture Notes in Computer Science 297, 926 - 937.
44. N. M. Missirlis, *Iterative methods for sparse linear equations: Some recent developments*, in Sparsity and its Applications, edit., D. J. Evans, Cambridge University Press, 113-135, 1985.
45. N. M. Missirlis, *A parallel iterative method for solving a class of linear systems*, Proceedings of the International Conference "Parallel Computing 83", edit. M. Feilmeier, G. Joubert and U. Schendel, 181-189, North-Holland, 1984.
46. N. M. Missirlis and D. J. Evans, *A second order iterative scheme suitable for parallel implementation*, Proceedings of the Fifth IMACS International Symposium on "Computer methods for partial differential equations", (Parallel Computers Session), Lehigh University, Bethlehem, Pennsylvania, USA, 203-206, June 1984.
47. D. J. Evans and N. M. Missirlis, *Iterative algorithms for use in parallel computers*, Proceedings of the International 84 Athens Conference on "Modelling and Simulation", Athens, June, 1984.
48. D. J. Evans and N. M. Missirlis, *Preconditioned iterative methods for the numerical solution of elliptic partial differential equations*, in Preconditioning theory for the numerical solution of partial differential equations, edit., D.J. Evans, Gordon and Breach Science Publ., 115-177, 1983.