



### Filippos Tzaferis

**Title:** Assistant Professor

**Sector:** Theoretical Informatics

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#### Academic Qualifications:

- Ph.D. in Informatics (1994), Dept. of Informatics & Telecom., University of Athens
- M.Sc. in Informatics & Operation Research(1982), Dept. of Mathematics, University of Athens
- B.Sc. in Mathematics(1980), Dept. of Mathematics, University of Athens

#### Appointments:

- Mars 2009 – today: Assistant Professor, Dept. of Informatics & Telecom., University of Athens
- May 1995 – Feb. 2009: Lecturer, Dept. of Informatics & Telecom., University of Athens
- May 1992 – April 1995: Research associate, Dept. of Informatics & Telecom., University of Athens
- Feb. 1986 - April 1992: Research associate, Section of Numerical Analysis and Computer Science, Dept. of Mathematics, University of Athens
- April 1982 – Sept. 1983: Research associate, Section of Numerical Analysis and Computer Science, Dept. of Mathematics, University of Athens

#### Teaching Activities: (current)

Undergraduate courses

- Introduction to Programming
- Numerical Analysis
- Numerical Linear Algebra

Postgraduate courses

- Computational Mathematics
- Scientific Computing
- Theory of Algorithms and Applications
- Parallel Algorithms

#### Research Interests/Activities: (last 10 years)

- Scientific Computing
- Parallel Numerical Linear Algebra
- Parallel Computational Fluid Dynamics
- Load Balancing
- Parallel Linear Programming

#### Scientific Publications/Citations:

- 5 publications in refereed journals ( 4 citations)
- 16 refereed conference publications (8 citations)

#### Top five publications

- N.M. Missirlis and F.I. Tzaferis, *Parallel block methods for solving linear systems*, Parallel Algorithms and Applications, 5, 57-68, 1995.
- N.M. Missirlis and F.I. Tzaferis, *The Huard method on a Shared Memory MIMD Computer*, Parallel Algorithms and Applications, 11, 249-272, 1997.
- A.A. Consta, N. M. Missirlis, F.I. Tzaferis, *The Local Modified Gauss-Seidel(LMEGS) Method*. International Journal of Computers & Structures, Special Issue on Preconditioning Methods, Algorithms, Applications and Software Environments, 62, 2447-2451, 2004.
- M.A. Louka, N.M. Missirlis and F.I. Tzaferis, *The impact of the eigenvalue locality on the convergence behavior on the PSD method for two-cyclic matrices,,* Journal Linear Algebra and its Applications, 430, 1929-1944, 2009.
- M.A. Louka, N.M. Missirlis and F.I. Tzaferis, *Is modified PSD equivalent to modified SOR for two-cyclic matrices?* Journal Linear Algebra and its Applications, 432, 2798-2815, 2010.