

Curriculum Vitae - Elias Konstantinidis

Personal details

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Date of birth 12 January 1979

Education

Currently **PhD candidate, GPU Computing**
Department of Informatics and Telecommunications
National and Kapodistrian University of Athens, Greece

2009 **M.Sc. Informatics and Telecommunications**
Department of Informatics and Telecommunications
National and Kapodistrian University of Athens, Greece

2001 **B.Sc., Department of Informatics**
Technological Educational Institute of Athens

Honors & Awards

- Graduated with honors, M.Sc. Informatics and Telecommunications, 2010
- Awarded with scholarship for the 1st year of studies, IKY - State Scholarships Foundation, 1996

Research Interests

- GPU computing and compute accelerators (CUDA, OpenCL)
- Parallel computing (OpenMP, MPI)
- Software performance optimization
- Computer architecture

Foreign languages

Good knowledge of English

Professional experience

2005 – Today **Public Secondary School Education**
Informatics teacher, Ministry of education

2004 – 2005 **Software Engineer**
Smartcom Ltd.

2003 – 2004 **Software Developer**

I.T. department, Capocci S.A.

1999 – 2001 Software Developer

Unisoft S.A., Custom software development department

Journal publications

- Yiannis Cotronis, Elias Konstantinidis, Maria A. Louka, Nikolaos M. Missirlis, *A comparison of CPU and GPU implementations for solving the Convection Diffusion equation using the local Modified SOR method*, Parallel Computing, ISSN 0167-8191 (in press).
- E. Konstantinidis and Y. Cotronis, *Graphics processing unit acceleration of the red/black SOR method*, Concurrency and Computation: Practice and Experience, Vol.25, No 8, pp. 1107-1120, 2013.

Conference proceedings

- Y. Cotronis, E. Konstantinidis, M. A. Louka and N. M. Missirlis, *Parallel SOR for solving the Convection Diffusion equation using GPUs with CUDA*, International European Conference on Parallel and Distributed Computing (EuroPar 2012), Rhodes, 2012, LNCS 7484, pp. 575-586.
- E. Konstantinidis and Y. Cotronis, *Accelerating the red/black SOR method using GPUs with CUDA*, 9th International Conference, PPAM 2011, Torun, Poland, September 11-14, 2011, Part I, LNCS 7203, pp. 589-598.
- N. Vassilas, G. Miaoulis, D. Chronopoulos, E. Konstantinidis, I. Ravani, D. Makris and D. Plemenos, *MultiCAD-GA: A System for the Design of 3D Forms Based on Genetic Algorithms and Human Evaluation*, Methods and Applications of Artificial Intelligence, Second Hellenic Conference on AI, SETN 2002 Thessaloniki, Greece, April 11–12, 2002 Proceedings, LNCS 2308, pp. 203-214.

Books chapters

- Y. Cotronis, E. Konstantinidis and N. M. Missirlis, *A GPU implementation for solving the Convection Diffusion equation using the Local Modified SOR method*, Numerical Computations with GPUs, Springer (to appear).