

# Stefanidakis Michail

## Curriculum vitae

### Personal Info

<b>Date and Place of Birth</b>	April 25, 1968 Athens, Greece
<b>Current Position</b>	Lecturer, Department of Informatics, Ionian University, Corfu, Greece
<b>Contact Info</b>	work      Department of Informatics, Ionian University, Tsirigoti Square 7, 49100 Corfu, Greece tel: 26610 87709 e-mail: <a href="mailto:mistral@ionio.gr">mistral@ionio.gr</a> homepage: <a href="http://www.ionio.gr/~mistral">http://www.ionio.gr/~mistral</a>  home      Kato Korakiana, 49100 Corfu

### Education

<b>PhD</b>	Computer Engineering & Informatics Department, University of Patras, Greece, 2000  Thesis Title: <i>Design and Performance Evaluation of the Distributed Memory Parallel Architecture PiSMA</i>
<b>Diploma</b>	Computer Engineering & Informatics Department, University of Patras, Greece, 1991

### Research Interests

- Semantic Web and Linked Data services and Internet middleware platforms.
- Ubiquitous computing systems and services.
- Simulation of computer systems.
- Advanced computer architectures and high performance programming.
- Real-time embedded systems.

# Experience in Higher Education

## 1. Courses Taught

**2009-2011** *Dept. of Informatics, Ionian University, Master Courses:*

- Programming Principles
- Internet Applications Programming

**2004-2011** *Dept. of Informatics, Ionian University:*

- Introduction to Computer Science
- Computer Architecture
- Internet Technologies
- Compilers
- Logic programming
- Advanced Computer Architecture

**2003-2004** *Dept. of Archival and Librarian Sciences, Ionian University:*

- Informatics I & II

**2002-2005** *Computer Eng. & Informatics Dept. University of Patras:*

- Computer Systems Interconnects
- Microprocessors Lab
- Digital Electronics

**2000-2004** *Computer Eng. & Informatics Dept. University of Patras, Master Course:*

- Real-time operating Systems

## 2. Student Advisory Topics

PhD, Master and Graduate Thesis student advisory on the subjects of

- Semantic Web applications
- Ubiquitous Computing
- Linked-data infrastructures and applications

- Visual interfaces for video processing
- Versatile chat agents
- Embedded systems services and networked applications

## Publications

### International Journals

- E.Magkos, M. Avlonitis, P. Kotzanikolaou, M. Stefanidakis, “Towards Early Warning Against Internet Worms Based on Critical-Sized Networks”, *Journal of Security and Communication Networks*, Wiley (to appear).
- I. Papadakis, M. Stefanidakis, K. Kyprianos, R. Mavropodi, “Subject-based Information Retrieval within Digital Libraries Employing LCSHs”, *Dlib Magazine* ([www.dlib.org](http://www.dlib.org)), vol. 15 no. 9/10, doi:10.1045/september2009-papadakis, available at: <http://www.dlib.org/dlib/september09/papadakis/09papadakis.html>
- P. Kotzanikolaou, E. Magkos, D. Vergados, M. Stefanidakis, “Secure and practical key establishment for distributed sensor networks”, *Journal of Security and Communication Networks*, Wiley, Vol. 2, Issue 6, pages 595–610, Nov/Dec 2009.
- M. Avlonitis, E. Magkos, M. Stefanidakis, V. Chrissikopoulos, “Treating scalability and modelling human countermeasures against local preference worms via gradient models”, *Journal in Computer Virology* 5(4): 357-364 (2009).
- I. Papadakis, M. Stefanidakis, A. Tzali, “Semantic navigating an OPAC by subject headings meta-information”, *The Electronic Library (TEL)*, special sections on MTSR 2007 and ALIA 2008, Emerald Publications, vol. 27, no. 5, pp. 779-813, ISSN: 0264-0473, 2009.
- I. Papadakis, M. Stefanidakis, A. Tzali, “Semantic navigation on the web: the LCSH case study”, *Metadata and Semantics*, Springer Verlag, ISBN: 978-0-387-77745-0, pp. 279-288, October 2008.
- I. Papadakis, M. Stefanidakis, “Visualizing ontologies on the web”, *New Directions in Intelligent Interactive Multimedia, Studies in Computational Intelligence*, vol. 142, Springer Verlag, pp. 303-311, ISBN: 978-3-540-68126-7, June 2008.
- I. Papadakis, M. Stefanidakis, A. Tzali, “Visualizing OPAC subject headings”, *Library Hi Tech sp. Issue: Information organization futures*, Vol.26, Issue 1, pp.19-23, Emerald, April, 2008.
- M. Avlonitis, E. Magkos, M. Stefanidakis, V. Chrissikopoulos: A spatial stochastic model for worm propagation: scale effects. *Journal in Computer Virology* 3(2): 87-92 (2007).
- Andreas Pipis, George Theodoropoulos, Michael Stefanidakis, Dimitris Lioupis, “A Hybrid Approach for the Modelling and Simulation of a Virtually Shared Memory Parallel Computer Architecture”, *Mathematics and Computers in Simulation Journal, Transactions of the International Association for Mathematics and Computers in Simulation (IMACS)*, Vol.57 (1-2), August 2001, pp 81-93, Published by Elsevier Science B.V.

- Dimitris Lioupis, Andreas Pipis, Maria Smirli, Michael Stefanidakis, “PiSMA: A Parallel VSM Architecture”, ACM Crossroads Magazine, Spring 1999 - issue 5.3, pp 11-14.
- D. Lioupis, N. Kanellopoulos and M. Stefanidakis, “The Memory Hierarchy of the CHESS Computer”, Microprocessing and Microprogramming (JSA) Vol.38, pp 99-107, Sep 1993.

## International Conferences

- V. Lapatas, M. Stefanidakis, "Web Enhanced Desktop Search Utilizing Data from Multimedia Social Sites", Proceedings of the 4th International Conference on Internet Technologies and Applications (ITA 11), Wrexham, North Wales, UK, September 2011.
- M. Stefanidakis, I. Papadakis, “Linking the (un)linked data through backlinks” (short paper), Proceedings of the International Conference on Web Intelligence, Mining and Semantics WIMS'11, pp 61:1-61:5, Sogndal, Norway, May 2011.
- V. Lapatas, M. Stefanidakis, Combining Desktop Data and Web 3.0 Technologies to Profile a User, Proceedings of WEBIST '10 Conference, pp. 350-353, Valencia, 2010.
- Ringas D., Christopoulou E., Stefanidakis M., “Citizens Interacting with Urban Memory”, paper presented at the “What can the Internet of Things do for the citizen “ workshop during the Eighth International Conference on Pervasive Computing, 17-20 May, 2010, Helsinki, Finland
- I. Papadakis, M. Stefanidakis, S. Stamou, I. Andreou, “A Query Construction Service for large-scale Web Search Engines”, Proceedings of 2009 IEEE/WIC/ACM International Conference on Web Intelligence/Web Information Retrieval Support Systems – WIRSS '09 Workshop, pp. 96-99, Milano, 2009.
- M. Avlonitis, E. Magkos, M. Stefanidakis, and V. Chrissikopoulos. “Exploring Scalability and Fast Spreading of Local Preference Worms via Gradient Models”. In: 17th EICAR Annual Conference, 3-6 May 2008, Laval, France, 2008.
- I. Papadakis, M. Stefanidakis, A. Tzali, “Semantic Navigation in an online Library Catalogue”, Proceedings of Metadata and Semantics Research Conference – MTSR '07, pp. 130-134, Corfu, 2007.
- I. Papadakis, M. Stefanidakis, “Semantic Web Browsing”, Proceedings of WEBIST '07 Conference, pp. 130-134, Barcelona, 2007.
- E. Magkos, P. Kotzanikolaou, M. Stefanidakis. “An Asymmetric Key Establishment Protocol for Multiphase Self-Organized Sensor Networks”. In: 12th European Wireless Conference (EW 2006) - Enabling Technologies for Wireless Multimedia Communications, April 2 - 5, 2006, Greece.
- D. Lioupis, M. Stefanidakis, “A Web Service for Embedded Distributed Computation”, 13th Euromicro Conference on Parallel, Distributed and Network-based Processing (PDP05), Lugano, Switzerland, February 9-11, 2005, pp. 20-25.
- D. Lioupis, D. Psihogiou, M. Stefanidakis, “Exporting Processing Power of Home Embedded Devices to Global Computing Applications”, 12th Euromicro Conference on Parallel, Distributed and Network-based Processing (PDP04), A Coruña, Spain, February 11-13, 2004,

pp. 274-281.

- D. Lioupis, A. Papagiannis, D. Psihogiou, M. Stefanidakis, “e-Grid: Grid infrastructure Infiltrates Smart Homes”, SSGRR 2003s International Conference on Advances in Infrastructure for e-Business, e-Education, e-Science, e-Medicine, and Mobile Technologies on the Internet, L'Aquila, Italy, July 28-August 3 2003.
- D. Lioupis, A. Papagiannis, D. Psihogiou, M. Stefanidakis, “An Embedded Distributed Parallel Computer” (poster paper), Tales of the Disappearing Computer (DCTales), June 2003, Santorini, Greece.
- D. Lioupis, A. Papagiannis, D. Psihogiou, M. Stefanidakis, “Software Peripherals – Requirements and Constraints for Real-Time Embedded Systems”, IEEE Real-Time Embedded System Workshop, Dec. 3, 2001, London, UK.
- Dimitris Lioupis, Andreas Pipis, Michael Stefanidakis, “A Run Time Support System for a Parallel Multimedia Server”, Proceedings of the 3rd IASTED International Conference on Internet and Multimedia Systems and Applications (IMSA99), pp 151-156, October 1999, Nassau, The Bahamas.
- Dimitris Lioupis, Andreas Pipis, Michael Stefanidakis, “A Low Overhead Run Time Support System for a Parallel VSM Architecture”, in the 7th International Conference on High Performance Computing and Networking Europe (HPCN Europe 99), April 12-14, 1999, Amsterdam, The Netherlands.
- Andreas Pipis, George Theodoropoulos, Michael Stefanidakis, Dimitris Lioupis, “Efficient Modeling and Simulation of a Virtually Shared Memory Architecture”, Proceedings of the 3rd International Congress of the Federation of EUROpean SIMulation Societies (Eurosim98), Vol.1, pp 58-65, April 1998, Espoo, Finland.
- Dimitris Lioupis, Andreas Pipis, Michael Stefanidakis, “PiSMA: An Upgradeable Fault Tolerant Approach to Parallel Processing”, Proceedings of the 4th IEEE International Conference on High Performance Computing (HiPC97), pp 277-283, December 1997, Bangalore India.
- D. Lioupis, M. Stefanidakis, “Dynamic Load Balancing on a Virtually-Shared Memory Parallel Computer System”, Proceedings of the 6th International PARLE Conference, pp 813-819, (PARLE '94 Parallel Architectures and Languages Europe), Athens 1994.

## **Greek National Conferences**

- Ρίγγας Δημήτρης, Χριστοπούλου Ελένη, Στεφανιδάκης Μιχάλης, "Συλλογική Μνήμη μιας Πόλης", Paper accepted at the 1ο ΣΥΝΕΔΡΙΟ «ΔΗΜΟΣΙΟΣ ΧΩΡΟΣ...ΑΝΑΖΗΤΕΙΤΑΙ», 20-22 October, 2011, Thessaloniki, Greece (to appear).
- M. Avlonitis, E. Magkos, M. Stefanidakis and V. Chrissikopoulos. “A Novel Stochastic Approach for Modeling Random Scanning Worms”. In: 13th Panhellenic Conference on Informatics - PCI 2009, 10-12 September, Corfu, Greece. IEEE Computer Society, pp. 176-179, 2009.
- Ringas D., Christopoulou E., Stefanidakis M., “Getting the Class Out of the Classroom”, Paper presented at the Workshop on Informatics in Education (WIE 2009) during the Thirteenth

Panhellenic Conference on Informatics (PCI 2009), 10-12 September, 2009, Corfu, Greece.

- T. Andonikos, M. Stefanidakis, I. Papadakis, “Adding Temporal Dimension to Ontologies via OWL Reification”, Proceedings of 13th Panhellenic Conference on Informatics - PCI 2009 Conference, 10-12 September, Corfu, Greece. IEEE Computer Society, pp. 19-22, 2009.

## **Book Chapters**

- Ringas D., Christopoulou E., Stefanidakis M., “Urban Memory in Space and Time”, In Styliaras G., Koukopoulos D., Lazarinis F. (Eds.) Handbook of Research on Technologies and Cultural Heritage: Applications and Environments, 2011, IGI Global (ISBN: 978-1609600440).

## **Awards**

- Ringas D., Christopoulou E., Stefanidakis M., “CLIO - Collective City Memory”, Award Winning Proposal in the 1st International Open Ubiquitous City Challenge ("UBI Challenge"), Oulu, Finland, summer 2011.