



# Michail G. Lagoudakis

## *Curriculum Vitæ*

Assistant Professor  
Intelligent Systems Laboratory  
Department of Electronic and Computer Engineering  
Technical University of Crete  
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## Positions

Sep 2005 – present	<i>Assistant Professor</i> Department of Electronic and Computer Engineering, Technical University of Crete
Sep 2003 – Jun 2005	<i>Research Affiliate / Postdoctoral Fellow</i> School of Industrial and Systems Engineering and College of Computing, Georgia Institute of Technology
Aug 1998 – Aug 2003	<i>Teaching and Research Assistant</i> Department of Computer Science, Duke University
Aug 1996 – Jul 1998	<i>Teaching and Research Assistant</i> Center for Advanced Computer Studies, University of Louisiana, Lafayette
Jan 1996 – May 1996	<i>Database Administrator</i> (during military service) Artillery Training Camp, Greece

## Research Interests and Expertise

- *Machine Learning* (Reinforcement Learning, Supervised Learning, Approximation Methods)
- *Decision Making* (Markov Decision Processes, Stochastic Processes, Optimal Control)
- *Multi-agent Systems* (Markov Games, Multi-agent Learning/Collaboration/Competition)
- *Meta-Computation* (Adaptive Algorithms, Algorithm Selection, Learning and Optimization)
- *Robotics* (Sensory-Motor Control, Active Sensing, Spatial Cognition, Probabilistic Methods)
- *Complex Systems* (Neural Systems, Non-Linear Dynamics, Self-Organization, DNA Computation)

## Education

- May 2003 *Ph.D., Computer Science*  
*Graduate Certificate in Computational Science, Engineering, and Medicine*  
Department of Computer Science, Duke University, Durham, NC, U.S.A.
- Dissertation: Efficient Approximate Policy Iteration Methods for Sequential Decision Making  
in Reinforcement Learning  
(2003 Departmental Outstanding Ph.D. Dissertation Award)
- Advisor: Ronald Parr  
Committee: Xiaobai Sun, Michael L. Littman (Rutgers), Leslie P. Kaelbling (MIT)
- May 1998 *M.Sc., Computer Science*  
Center For Advanced Computer Studies, University of Louisiana, Lafayette, LA, U.S.A.
- Thesis: Mobile Robot Local Navigation with a Polar Neural Map  
Advisor: Anthony S. Maida  
Committee: Kimon P. Valavanis, Bill Z. Manaris
- June 1995 *Diploma (5-year B.Sc. degree), Computer Engineering and Informatics*  
Department of Computer Engineering and Informatics, University of Patras, Patras, Greece
- Thesis: Implementation of a Knowledge-Based Scheduler for Job-Shop Production Environments  
Advisor: Paul Spirakis  
Committee: Ioannis Hatzilygeroudis, Dimitrios Sofotasios

## Honors and Awards

- 2006 *Marie Curie International Reintegration Grant*, European Commission
- 2003 *Outstanding Ph.D. Dissertation Award*, Department of Computer Science, Duke University
- 2003 *William J. Griffith University Service Award*, Duke University
- 2000 / 2001 *Outstanding Teaching Assistant Award*, Department of Computer Science, Duke University
- 1999 *Best Presentation Award* (in session), IEEE Intl Joint Conference on Neural Networks
- 1998 – 1999 *Graduate Fellowship*, Department of Computer Science, Duke University
- 1998 *First Prize Award Team*, AAI-98 Robot Building Lab
- 1997 / 1998 *Student Honor*, University of Louisiana, Lafayette
- 1996 – 2002 *Graduate Fellowship*, Lilian Boudouri Foundation, Greece
- 1992 / 1994 *Student Scholarship*, National Scholarship Foundation, Greece

## Publications and Papers

All papers and the corresponding presentations are available at [www.lagoudakis.gr](http://www.lagoudakis.gr)

## Refereed Articles

1. Michail G. Lagoudakis, “Incremental Multi-Objective Motion Control of Nonholonomic Mobile Robots”, *Proceedings of the 2006 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2006)*, Beijing, China, October 2006, pp. 2804–2809.
2. Sven Koenig, Craig Tovey, Michail G. Lagoudakis, Vangelis Markakis, David Kempee, Pinar Keskinocak, Anton Kleywegt, Adam Meyerson, and Sonal Jain, “The Power of Sequential Single-Item Auctions for Agent Coordination”, *Proceedings of the 21st National Conference on Artificial Intelligence (AAAI)*, Boston, MA, July 2006, pp. 1625–1629.
3. Michail G. Lagoudakis, “On Improving Mobile Robot Motion Control”, *Proceedings of the 4th Hellenic Conference on Artificial Intelligence (SETN-06)*, Heraklion, Crete, Greece, May 2006, pp. 551–554.
4. Michail G. Lagoudakis, Vangelis Markakis, David Kempee, Pinar Keskinocak, Sven Koenig, Craig Tovey, Anton Kleywegt, Adam Meyerson, and Sonal Jain, “Auction-Based Multi-Robot Routing”, *Proceedings of Robotics: Science and Systems (RSS-05)*, MIT, Boston, MA, June 2005, pp. 343–350.
5. Craig Tovey, Michail G. Lagoudakis, Sonal Jain, and Sven Koenig, “Generation of Bidding Rules for Auction-Based Robot Coordination,” *Proceedings of the 3rd International Multi-Robot Systems Workshop*, Naval Research Laboratory, Washington, DC, March 2005, pp. 3–14.
6. Michail G. Lagoudakis, Marc Berhault, Pinar Keskinocak, Sven Koenig, and Anton Kleywegt, “Auctions with Performance Guarantees for Multi-Robot Task Allocation,” *Proceedings of the 2004 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2004)*, Sendai, Japan, September 2004, pp. 698–705.
7. Atul Kumar, Michail G. Lagoudakis, Bruce Kalmin, and Bhawna Halwan, “Predicting Need for Urgent Endoscopy in Patients with Acute Gastrointestinal Bleeding,” *Proceedings of the ASGE Ninth Annual Young Investigators Conference in Digestive Diseases*, Huntington Beach, CA, April 2004.
8. Michail G. Lagoudakis and Ronald Parr, “Least-Squares Policy Iteration,” *Journal of Machine Learning Research (JMLR)*, **4**, 2003, pp. 1107–1149.
9. Michail G. Lagoudakis and Ronald Parr, “Reinforcement Learning as Classification: Leveraging Modern Classifiers,” *Proceedings of the 20th International Conference on Machine Learning (ICML-03)*, Washington, DC, U.S.A., August 2003, pp. 424–431.
10. Michail G. Lagoudakis and Ronald Parr, “Approximate Policy Iteration using Large-Margin Classifiers,” *Proceedings of the 18th International Joint Conference on Artificial Intelligence (IJCAI-03)*, Acapulco, Mexico, August 2003, pp. 1432–1434.
11. Michail G. Lagoudakis and Ronald Parr, “Learning in Zero-Sum Team Markov Games using Factored Value Functions,” *Proceedings of NIPS\*2002: Neural Information Processing Systems*, Vancouver, BC, Canada, December 2002, pp. 1659–1666.
12. Michail G. Lagoudakis and Ronald Parr, “Value Function Approximation in Zero-Sum Markov Games,” *Proceedings of the 18th Conference on Uncertainty in Artificial Intelligence (UAI-02)*, Edmonton, AB, Canada, August 2002, pp. 283–292.
13. Carlos Guestrin, Michail G. Lagoudakis, and Ronald Parr, “Coordinated Reinforcement Learning,” *Proceedings of the 19th International Conference on Machine Learning (ICML-02)*, Sydney, Australia, July 2002, pp. 227–234.
14. Michail G. Lagoudakis, Ronald Parr, and Michael L. Littman, “Least-Squares Methods in Reinforcement Learning for Control,” *Lecture Notes on Artificial Intelligence*, Vol. 2308, Springer, *Proceedings of the 2nd Hellenic Conference on Artificial Intelligence (SETN-02)*, Thessaloniki, Greece, April 2002, pp. 249–260.
15. Michail G. Lagoudakis and Ronald Parr, “Model-Free Least-Squares Policy Iteration,” *Proceedings of NIPS\*2001: Neural Information Processing Systems*, Vancouver, BC, Canada, December 2001, pp. 1547–1554.

16. Michail G. Lagoudakis and Michael L. Littman, “Learning to Select Branching Rules in the DPLL Procedure for Satisfiability,” *Electronic Notes in Discrete Mathematics (ENDM)*, Vol. 9, Elsevier, *LICS 2001 Workshop on Theory and Applications of Satisfiability Testing (SAT-2001)*, Boston, MA, USA, June 2001.
17. Michail G. Lagoudakis and Michael L. Littman, “Algorithm Selection using Reinforcement Learning,” *Proceedings of the 17th International Conference on Machine Learning (ICML-00)*, Stanford, CA, USA, June 2000, pp. 511–518.
18. Michail G. Lagoudakis and Thomas H. LaBean, “2D DNA Self-Assembly for Satisfiability,” *DIMACS Series in Discrete Mathematics and Theoretical Computer Science*, Vol. 54, AMS, *Proceedings of the 5th DIMACS Workshop on DNA Based Computers*, MIT, Boston, MA, USA, June 1999, pp. 141–154.
19. Michail G. Lagoudakis and Anthony S. Maida, “Neural Maps for Mobile Robot Navigation,” *Proceedings of the 1999 IEEE International Joint Conference on Neural Networks (IJCNN-99)*, Washington, DC, USA, July 1999, pp. 2011–2016.
20. Bill Z. Manaris, Valanne MacGyvers, and Michail G. Lagoudakis, “A Listening Keyboard for Users with Motor Impairments—A Usability Study,” *International Journal of Speech Technology*, **5**, 2002, pp. 371–388.
21. Bill Z. Manaris, Vallane MacGyvers, and Michail G. Lagoudakis, “Universal Access to Mobile Computing Devices through Speech Input,” *Proceedings of the 12th International Florida Artificial Intelligence Research Symposium (FLAIRS-99)*, Orlando, FL, USA, May 1999, pp. 286–292.
22. Michail G. Lagoudakis, “An IDA\* Algorithm for Optimal Spare Allocation,” *Proceedings of 1999 ACM Symposium on Applied Computing (SAC-99)*, San Antonio, TX, USA, February 1999, pp. 486–488.

### Other Published Articles

1. Michail G. Lagoudakis and Sven Koenig, “Planning” in the *Berkshire Encyclopedia of Human Computer Interaction*, Berkshire Publishing Book, 2004, pp. 554–560.
2. Carlos Guestrin, Michail G. Lagoudakis, and Ronald Parr, “Coordinated Reinforcement Learning,” *Proceedings of the 2002 AAAI Spring Symposium Series: Collaborative Learning Agents*, Stanford, CA, USA, March 2002.
3. Michail G. Lagoudakis, Michael L. Littman, and Ronald Parr, “Selecting the Right Algorithm,” *Proceedings of the 2001 AAAI Fall Symposium Series: Using Uncertainty within Computation*, Cape Cod, MA, USA, November 2001.
4. Michail G. Lagoudakis and Michael L. Littman, “Reinforcement Learning for Algorithm Selection” (Student Abstract), *Proceedings of the 17th National Conference on Artificial Intelligence (AAAI-00)*, Austin, TX, USA, July 2000, pp. 1081.
5. Michail G. Lagoudakis and Anthony S. Maida, “Robot Navigation with a Polar Neural Map” (Student Abstract), *Proceedings of the 16th National Conference on Artificial Intelligence (AAAI-99)*, Orlando, FL, USA, July 1999, pp. 965.
6. Michail G. Lagoudakis and Anthony S. Maida, “A Polar Neural Map for Mobile Robot Local Navigation” (Extended Abstract), *Proceedings of the 1999 International Conference on Cognitive and Neural Systems (ICCN-99)*, Boston, MA, USA, May 1999.
7. Michail G. Lagoudakis, “Book Review: Artificial Intelligence and Scientific Method,” *Journal of Intelligent and Robotic Systems*, **22**, 1998, pp. 87–95.

### Unpublished Articles

1. “Randomization in Markov Decision Processes and Reinforcement Learning,” 2001.

2. “Using Markov Decision Processes and Reinforcement Learning to solve the ‘Local vs. Remote’ Execution Problem” (with Tammy Bailey and Nicoleta Popoviciu), 2000.
3. Lecture Notes: “Red–Black Trees” (with Lars Arge), 1999.
4. “N–SAT: A Numerical Approach to Satisfiability,” 1999.
5. “Nonlinear Dynamics of Video Feedback” (with Timothy H. Burt), 1999.
6. “Linear Planning in the Cognitive Map,” 1998.
7. “Experimental Comparison of the Speech Understanding and the Hand–Stick Methods as Computer Input Modalities for Motor–Challenged Users,” Technical Report USL–HCIL–1998–01, Human–Computer Interaction Lab, University of Louisiana, Lafayette, 1998.
8. “Spatial Knowledge in Humans, Animals and Robots,” 1998.
9. “Near Optimal Solutions for the Minimum Cost Spare Allocation Problem using Hopfield–Type Neural Network Optimizers” (with Anthony S. Maida), 1998.
10. “A Hopfield Neural Network for Dynamic Path Planning and Obstacle Avoidance,” 1997.
11. “Planning and Intelligent Systems: An Introductory Overview,” Technical Report CACS TR–96–2–1, Center for Advanced Computer Studies, University of Louisiana, Lafayette, 1996.
12. “The 0 – 1 Knapsack Problem: A survey,” 1996.

## Research Projects

- |                     |  |
|---------------------|--|
| Jan 2007 – present  | <p><i>Experimental Evaluation of Auction-Based Robot Coordination</i><br/>(Funded by TUC grant 226)</p> <p>Implementing and testing multi-round, single-time auctions for robot routing on a team of four AIBO robots.</p>   |
| Dec 2006 – present  | <p><i>Reinforcement Learning via Supervised Learning</i><br/>(Funded by MCIRG grant 044980)</p> <p>Exploring the benefit of using supervised learning technology in the inner loops of various reinforcement learning algorithms.</p>  |
| Jan 2006 – present  | <p><i>Kouretes RoboCup Team</i></p> <p>Founder and team leader of the four-legged robocup team <i>Kouretes</i>. Information available at <a href="http://www.intelligence.tuc.gr/kouretes">http://www.intelligence.tuc.gr/kouretes</a>.</p>  |
| Dec 2003 – Jun 2005 | <p><i>Economic Market Mechanisms for Complex Multi-Agent Allocation Problems</i><br/>(Funded by NSF grant ITR/AP-0113881)</p> <p>Invented, analyzed, and tested simple market mechanisms (multi-round single-item auctions) for achieving provably-good and efficient allocation of tasks and coordination of collaborative agents in multi-agent domains.</p> |
| Sep 2003 – Mar 2004 | <p><i>Reinforcement Learning for Industrial Applications</i></p> <p>Laid the foundation for efficient learning algorithms using theories of experimental design and generalized Markov models for industrial applications, such as generating adaptive and effective disassembly policies in recycling plants.</p>   |
| Oct 2003 – Jan 2005 | <p><i>Supervised Learning for Computer-Aided Diagnosis</i></p> <p>Collaborated with medical doctors from Emory University on supervised learning methods for computer-aided diagnosis of gastrointestinal bleeding.</p>  |

- Sep 2002 – Aug 2003 *RCPI: Reinforcement Learning using Classification*  
(Funded by NSF grant 0209088)  
Introduced the representation of approximate policies as classifiers and a method of using policy rollouts to iteratively improve policies. Established the first direct link between two well-known learning paradigms so that advances in supervised learning automatically yield better reinforcement learning algorithms.
- Sep 2000 – Aug 2002 *LSPI: Efficient, Stable, and Scalable Reinforcement Learning*  
(Funded by NSF grant 0209088)  
Invented an efficient, stable, scalable approach to reinforcement learning that outperforms common previous algorithms and extends to a variety of decision-making domains (single-/multi- agent Markov decision processes and zero-sum Markov games). Code and information available at <http://www.cs.duke.edu/research/AI/LSPI>.
- Jun 2000 – Aug 2000 *RLSAT: Reinforcement Learning for Satisfiability*  
(Funded by NSF grant IRI-9702576)  
Invented and implemented RLSAT, the first DPLL-type solver for the hard combinatorial problem of satisfiability (SAT) problem enhanced with learning capabilities. RLSAT uses experience from previous executions to learn how to select appropriate branching heuristics with the goal of minimizing the total execution time. Code and information available at <http://www.cs.duke.edu/research/AI/RLSAT>.
- Jun 1999 – May 2000 *Algorithm Selection using Reinforcement Learning*  
Formalized the problem of recursive algorithm selection for optimizing portfolios of algorithms. Proposed a learning approach that exploits experience from real-time executions and yields hybrid algorithms that outperform the individual algorithms.
- Aug 1999 – Dec 1999 *Inductive Logic Programming for Detecting Microcalcifications in Mammograms*  
Applied FOIL and PROGOL to induct rules for identifying suspicious microcalcification in mammograms using histogram-based features.
- Jan 1999 – May 1999 *N-SAT: A Numerical Approach to Satisfiability*  
Invented a scheme for converting boolean satisfiability (SAT) problems into global minimization problems, whereby a SAT formula in CNF format is converted into a polynomial whose global minimum is found by an iterative Gauss-Seidel procedure.
- Aug 1998 – May 1999 *DNA Self-Assembly for Satisfiability*  
(Funded by NSF/DARPA grant CCR-9725021)  
Using the principles of DNA tiling, a new emerging technology where synthetic DNA tiles self-assemble to form certain two-dimensional structures, proposed algorithmic designs that could provably solve the hard combinatorial problem of satisfiability.
- Jan 1998 – May 1999 *Implementation of Robotic Algorithms*  
Implemented algorithms for real-time, sonar-based, behavior-based obstacle avoidance on a Nomad 200 mobile robot. Implemented infrared-based obstacle avoidance algorithms and learning algorithms for ball pushing on a Khepera robot.
- Aug 1997 – May 1998 *Neural Maps for Mobile Robot Navigation*  
Optimized the neural map of Glasius, introduced the polar topology for sonar mapping, and combined with a novel motion control method. Implemented on and enabled a Nomad 200 robot to navigate safely in unknown environments.
- Jan 1997 – May 1997 *Parallel Distributed Computation for Hard Combinatorial Problems*  
Invented a parallel version of the A\* search algorithm that features explicit load balancing for solving efficiently hard combinatorial problems. Implemented the algorithm on a distributed platform of computers using TreadMarks and demonstrated

linear speedup on the problem of minimum cost spare allocation. Code was used by collaborators as a benchmark application for improving TreadMarks.

- Jan 1997 - Dec 1997    *Neural Networks for Hard Combinatorial Problems*  
Designed and implemented neural network models for finding near-optimal solutions to the problem of minimum cost spare allocation (or vertex cover in bipartite graphs) with only linear node complexity (compared to typical quadratic complexities).
- Sep 1994 – Jun 1995    *Knowledge-Based Scheduling for Job-Shop Production Environments*  
(Sponsored by the European ESPRIT CIM Program)  
Designed and implemented in the G2 software package a rule-based scheduler for optimizing job-shop throughput, as part of a larger project for computer integrated manufacturing (CIM) at ΦΑΓΕ, a major dairy products company in Greece.
- Sep 1992 – Jan 1992    *Implementation of a Syntactic Parser for a Subset of the Greek language*
- Sep 1991 – Jan 1991    *Implementation of an Online Greek Thesaurus (Synonyms Dictionary)*

## Teaching Experience

- Spring 2007    Capita Selecta on Algorithms and Complexity (grad), Technical University of Crete
- Spring 2007    Autonomous Agents (ugrad/grad), Technical University of Crete
- Fall 2006    Artificial Intelligence (ugrad), Technical University of Crete
- Fall 2006    Theory of Computation (ugrad), Technical University of Crete
- Spring 2006    Autonomous Agents (ugrad/grad), Technical University of Crete
- Spring 2006    Artificial Intelligence (ugrad), Technical University of Crete
- Fall 2005    Theory of Computation (ugrad), Technical University of Crete
- 1997 – 2001    *Teaching Assistant and Lab Instructor*  
Held review and lab sessions; lectured; held office hours; graded assignments; designed course syllabus; designed exams; supervised exams; received the outstanding teaching assistant award twice.

## Professional Memberships

- American Association for Artificial Intelligence (AAAI)
- Institute of Electrical and Electronics Engineers (IEEE)
- Association for Computing Machinery (ACM)
- Hellenic Society for Artificial Intelligence (EETN)
- Marie Curie Fellows Society (MCFS)

## Service

- **To the Profession**
  - 2007    *Program Committee*, 22nd National Conference on Artificial Intelligence (AAAI-2007)
  - 2007    *Program Committee*, 20th Conference on Uncertainty in Artificial Intelligence (UAI2007)

- 2007 *Program Committee*, Intl Conference on Autonomic and Trusted Computing (ATC-07)
- 2007 *Program Committee*, European Conference on Machine Learning (ECML/PKDD-07)
- 2007 *Program Committee*, IEEE International Symposium on Approximate Dynamic Programming and Reinforcement Learning (2007 IEEE ADPRL)
- 2007 *Program Committee*, International Joint Conference on Artificial Intelligence (IJCAI07)
- 2006 *Organizer*, AAAI-06 Workshop on Auction-Based Methods for Robot Coordination
- 2006 *Program Committee*, European Conference on Machine Learning (ECML/PKDD-06)
- 2006 *Program Committee*, 19th Conference on Uncertainty in Artificial Intelligence (UAI2006)
- 2006 *Program Committee*, Robotics: Science and Systems 2006 (RSS-2006)
- 2005 *Program Committee*, 18th Conference on Uncertainty in Artificial Intelligence (UAI2005)
- 2005 *Program Committee*, International Conference on Multi-Agent Systems (AAMAS-05)
- 2005 *Program Committee*, 20th National Conference on Artificial Intelligence (AAAI-2005)
- 2004 *Program Committee*, 13th Intl Conference on Machine Learning (ICML-2004)
- 2003 *Program Committee*, 12th Intl Conference on Machine Learning (ICML-2003)
- 2001 – present *Reviewer* for the conferences: IJCAI-2001, AAAI-2002, AAAI-2005, SETN-04, ICML-04, NIPS\*2001, NIPS\*2002, NIPS\*2003, NIPS\*2004, ICRA-2005, IJCAI-2005, IEEE-CASE 2005, NIPS\*2005, FLAIRS-2006, IEEE-ACC 2006, NIPS\*2006, KRL-ICML 2006, IEEE-CASE 2007.
- 2000 – present *Reviewer* for the journals: *Journal of Machine Learning Research (JMLR)*, the *Journal of Artificial Intelligence Research (JAIR)*, the *Journal of Theory and Practice of Logic Programming (TPLP)*, the *IEEE Transactions on Robotics and Automation (IEEE-TRA)*, the *IEEE Transactions on Neural Networks (IEEE-TNN)*, the *IEEE Transactions on Evolutionary Computation (IEEE-TEC)*, the *IEEE Transactions on Systems, Man, and Cybernetics (IEEE-SMC)*, the *IEEE Transactions on Automation Science and Engineering (IEEE-TASE)*, the *IEE Proceedings on Control Theory and Applications (IEE-ProCTA)*, *Information Sciences: an International Journal (ISIJ)*, the *SIAM Journal on Control and Optimization (SICON)*, the *Journal of Parallel and Distributed Computing (JPDC)*, the *Annals of Mathematics and Artificial Intelligence (AMAI)*, the *International Journal of AI Tools (IJAIT)*, the *IEE Proceedings on Control Theory and Automation (CTA)*, the *Journal of Field Robotics (JFR)*, the *IEEE Transactions on Automation Science and Engineering (TAE)*, *Automatica*.
- 1998 – 2002 *Student Volunteer* for the conferences: AAAI-1998, AAAI-1999, ICML-2000, AAAI-2000, IJCAI-2001, NIPS\*2001, AAAI-2002, NIPS\*2002.
- 1999 / 2001 *Tutorials Committee*, 21st / 23rd Annual Meetings of the Cognitive Science Society
- 1998 *Student Volunteer* for the 1998 ACM International Collegiate Programming Contest

- **To Technical University of Crete**

- 2007 – present *Member*, Editorial Committee of TUC News
- 2006 – present *Visit Organizer*, Faculty Search Committee of the Division of Computer Science

- **To Duke University**

- 2002 – 2003     *Resident Manager*, Duke International House  
Contributed to the organization of the incoming international student orientation and all house activities; supervised the proper use of the facility; addressed student needs.
- 2001 – 2002     *Executive Board Member*, Graduate and Professional Student Council (GPSC)  
Met and discussed graduate student issues with university officials and the board of trustees; participated in university-wide decision making; organized social events; maintained council's web site and mailing lists.
- 2001 – 2002     *Board Member*, Center for Instructional Technology (CIT)  
Raised graduate student opinion in board decisions; reviewed faculty grant proposals.
- 1999 – 2002     *President*, Duke Hellenic Association  
Co-founded the club; obtained official university status; introduced the use of the web and e-mailing lists for publicity and communication; secured university funding for the club; organized cultural events; reached out to the broader community of Durham.
- 2000 – 2001     *Graduate Student Liaison to the Faculty*, Department of Computer Science  
Attended all faculty meetings; communicated information and opinions regarding decision making between faculty and students; coordinated the resolution of issues.
- 1999 – 2000     *Graduate Student Faculty Search Committee*, Department of Computer Science  
Organized student participation in candidate visits; organized pre-visit seminars; interviewed candidates; conducted survey of student opinion and reported to the faculty.

- **To the Community**

- 1990 – present     *Byzantine chanter* serving the various Greek Orthodox Christian parishes
- 2004 – 2005     *Treasurer*, Samaria Chapter of Atlanta, Pancretan Association of America
- 1990 – 1995     *Youth summer camp organizer, choir director, and Sunday school teacher*  
Orthodox Christian Center, Patras, Greece

## References

Available on request.

## Other Activities

- 2003 – 2005     Member of the Greek Folk and Rembetiko Music Ensemble *Tesserae*, Atlanta, GA
- 2000 – 2005     Member of the *Romeiko* Vocal Ensemble, Philadelphia, PA
- 1999 – 2003     Leader of the Greek Folk Dancing Troupe, Duke Hellenic Association, Durham, NC
- 2001 – 2003     Member of the Greek Folk Music Ensemble *Parea*, Durham, NC
- 1997 – 1998     Member of the *University Chorale*, University of Louisiana, Lafayette, LA
- 1995 – 1996     Member of the *Greek Byzantine Choir*, Athens, Greece
- 1990 – 1995     Diploma in Byzantine Music (completed), Philharmonic Conservatory, Patras, Greece
- 1986 – 1991     Yamaha Portatone and Electone Programs for Electronic Keyboards (completed)  
Nakas Conservatory, Thessaloniki, Greece
- 1984 – 1985     Classical Piano Courses, Conservatory of Northern Greece, Thessaloniki, Greece

## Personal

- Born August 20th, 1972 in Irakleio of Crete, Greece; citizen of Greece
- Languages: English (fluent), Greek (native)
- Military Service: Greek Artillery Force (completed in 1996)
- Hobbies: Music (Byzantine, Greek, Modal, World), Dancing (Folk), Traveling, Photography