

Professor Athanasios Migdalas

Division of Computational Methods and Computer Programming
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EDUCATION & ACADEMIC POSITIONS**Education**

- 1983 Graduated from Dept. of Mathematics, [Linköping University](#), Sweden. Practice: “**MUL-REG: A Programming Package for Non-Parametric Statistical Tests in Physiology**” (in Swedish) at the Clinic of Physiology, Linköping Hospital. Diploma Thesis: “**MULPAC: A Userfriendly Programming Package for Large-Scale Sparse Systems of Multilinear Equations in Internal Budgeting**” (in Swedish) for Philips Sweden at Järfälla.
- 1985 Postgraduate diploma “**Licentiate of Philosophy**” in “Operations Research & Optimization” from the Department of Mathematics, [Linköping Institute of Technology](#), Sweden. Thesis: “**Network Design - Discrete Models**”
- 1988 **Ph.D.** “Doktors examen” in “Operations Research & Optimization” from the Department of Mathematics, [Linköping Institute of Technology](#), Sweden. Thesis: “**Mathematical Programming Techniques in the Analysis and Design of Transportation and Communication Networks**”

Academic Positions

- 1982-1983 Part time Assistant Lecturer, Div. of Optimization, Dept. of Mathematics, Linköping Institute of Technology, Sweden
- 1983-1988 Lecturer and Researcher, Div. of Optimization, Dept. of Mathematics, Linköping Institute of Technology, Sweden
- 1988-1989 Assistant Professor, Dept. of Mathematics, Aarhus University, Århus, Denmark
- 1989-1993 Assistant Professor, Div. of Optimization, Dept. of Mathematics, Linköping Institute of Technology, Linköping University, Sweden

- 1993-1998 Associate Professor, Div. of Optimization, Dept. of Mathematics, Linköping Institute of Technology, Linköping University, Sweden
- 1996-1998 Studies Director, Div. of Optimization, Dept. of Mathematics, Linköping Institute of Technology, Linköping University, Sweden
- 1998-2004 Associate Professor, Dept. of Production Engineering and Management, Technical University of Crete, Chania, Greece
- 2004-2008 Professor, Dept. of Production Engineering and Management, Technical University of Crete, Chania, Greece
- 2008– Professor, Div. of Computational Methods and Computer Programming, Dept. of Mathematical and Physical Sciences, Engineering Faculty, Aristotle University of Thessalonica, Greece

PUBLICATIONS

Books

1. A. Migdalas, P.M. Pardalos S. Storoy (eds.) 1997
[Parallel Computing in Optimization](#), Kluwer Academic Publishers
2. A. Migdalas, P.M. Pardalos P. Varbrand (eds.) 1997
[Multilevel Optimization -- Algorithms and Applications](#), Kluwer Academic Publishers
3. A., Migdalas, P.M. Pardalos P. Varbrand (eds.) 2001
[From Local to Global Optimization](#), Kluwer Academic Publishers
4. P.M. Pardalos, A. Migdalas R.E. Burkard (eds.) 2002
[Combinatorial and Global Optimization](#), World Scientific
5. G. Baourakis, A. Migdalas P.M. Pardalos (eds.) 2003
[Supply Chain and Finance](#), World Scientific
6. A. Chinchuluun, P.M. Pardalos, A., Migdalas, L.S. Pitsoulis (eds.) 2008
[Pareto Optimality, Game Theory and Equilibria](#), Springer
7. I. Marinakis & A. Migdalas (2008)
[Design and Optimization in Supply Chains](#), Sofia Publications, Thessalonica (in Greek)

Editor of Special Issues

1. A. Migdalas P.M. Pardalos (eds.), Global Optimization and Hierarchical Decision Making, **Journal of Global Optimization**, 1996, **8(3)**.
2. A. Migdalas, V. Kumar, G. Toraldo (eds.), Nonlinear Optimization and Parallel Computing, **Journal of Parallel Computing**, 2003, **29(4)**.
3. A. Migdalas, P.M. Pardalos, G. Toraldo (eds.), International Conference in Computational Management Science, **Computational Management Science**, 2005, **2 (3)**.

Refereed Articles

1. K. Jornsten, A. Migdalas (1988) “Designing a Minimal Spanning Tree Network subject to Budget Constraints”, *Optimization*, **19**, pp. 475-484
2. T. Larsson, A. Migdalas (1990) “An Algorithm for Nonlinear Programs over Cartesian Product Sets”, *Optimization*, **21** pp. 535-542
3. K. Jornsten, T. Larsson, J. Lundgren, A. Migdalas (1990) “An Entropy Model with Variable Target”, *Environment and Planning A*, **22A**, pp. 493-506
4. J. Hellstrand, T. Larsson, A. Migdalas (1992) “A Characterization of the Uncapacitated Network Design Polytope”, *Operations Research Letters*, **12**, pp. 159-163
5. H. Tuy, A. Migdalas, P. Varbrand (1993) “A Global Optimization Approach for the Linear Two-Level Program”, *Journal of Global Optimization*, **3**, pp. 1-23
6. H. Tuy, S. Ghannadan, A. Migdalas, P. Varbrand (1993) “Strongly Polynomial Algorithms for a Production-Transportation Problem with Concave Production Cost”, *Optimization*, **27**, pp. 205-227
7. A. Migdalas S. C. Narula (1993) “The Combined Terminal Assignment and Layout Problem”, *Studies in Locational Analysis*, **4**, pp. 225 – 229
8. T. Larsson, A. Migdalas, M. Patriksson (1993) “A Partial Linearization Method for the Traffic Assignment Problem”, *Optimization*, **28**, pp. 47-61
9. A. Migdalas (1994) “A Regularization of the Frank-Wolfe Method and Unification of Certain Nonlinear Programming Methods”, *Mathematical Programming*, **56**, pp. 331-345
10. T. Larsson, A. Migdalas, M. Ronnqvist (1994) “A Lagrangean Heuristic for the Capacitated Concave Minimum Cost Network Flow Problem”, *European Journal of Operations Research*, **78**, pp. 116-129
11. H. Tuy, A. Migdalas, P. Varbrand (1994) “A Quasiconcave Minimization method for Solving Linear Two-Level Programs”, *Journal of Global Optimization*, **4**, 243-263

12. H. Tuy, S. Ghannadan, A. Migdalas P. Varbrand, (1994) “Heuristics Based on Tabu Search and Lagrangean Relaxation for the Concave Production-Transportation Problem”, *Studies in Regional and Urban Planning*, **3**, pp. 127-140
13. A. Migdalas, S.C. Narula (1994) “Concentrator Location and Terminal Layout in Local Access Networks - Integrated Models”, *Studies in Regional and Urban Planning*, **3**, pp. 199-214
14. A. Migdalas (1995) “Bilevel Programming in Traffic Planning: Models, Methods and Challenge”, *Journal of Global Optimization*, **7**, pp. 381-405
15. A. Migdalas (1995) “When is a Stackelberg Equilibrium Pareto Optimum?”, In *Advances in Multicriteria Analysis*, P. Pardalos, et.al. (eds), Kluwer Academics, pp. 175-181
16. H. Tuy, S. Ghannadan, A. Migdalas, P. Varbrand (1995,) “The Minimum Concave Cost Network Flow Problem with a Fixed Numbers of Sources and Nonlinear Arc Costs”, *Journal of Global Optimization* **6**, 135-151
17. O. Damberg, A. Migdalas (1995) “A Data Parallel Space Dilation Algorithm for the Concentrator Location Problem”. *DIMACS Series in Discrete Mathematics and Theoretical Computer Science* , **22**, pp. 57-80
18. T. Helgasson, K. Jornsten, A. Migdalas(1995) “Minimax Formulation of the Apportionments of Seats to a Parliament” *Minimax and Applications*, DingZhu Du et. al. (eds), Kluwer Academics,pp. 109-118
19. A. Migdalas P.M. Pardalos (1995) “Nonlinear Bilevel Problems with Convex Second Level Problem - Heuristics and Descent Methods”, in *Operations Research and Its Applications*, D.-Z. Du, X.-S. Zhang K. Cheng (eds), World Scientific, pp. 194—204
20. H. Tuy, S. Ghannadan, A. Migdalas, P. Varbrand (1996) “A Strongly Polynomial Algorithm for a Concave Production - Transportation Problem with a Fixed Number of Nonlinear Variables”, *Mathematical Programming*, **72**, pp. 229-258
21. S. Ghannadan, A. Migdalas, H. Tuy P. Varbrand (1996) “Tabu Metaheuristic based on Local Search for the Concave Production-Transportation Problem”, *Studies in Locational Analysis Special Issue on Heuristics for Location Problems*, **issue 8**, pp. 33-47
22. K. Holmqvist, A. Migdalas P. M. Pardalos (1996) “A GRASP Algorithm for the Single Source Uncapacitated Minimum Concave-Cost Network Flow Problem”, *DIMACS Series in Discrete Mathematics and Theoretical Computer Science*, **40**, pp. 131—142
23. K. Holmqvist, A. Migdalas (1997) “Greedy Randomized Adaptive Search for a Location Problem with Economies of Scale”, in *Developments in Global Optimizations*, Bomze et. al. (eds), Kluwer Academic, pp. 301-313

24. K. Holmqvist, A. Migdalas (1997) “A C++ Class Library for Interval Arithmetic in Global Optimization”, in *State of the Art in Global Optimization*, C. Floudas, Pardalos (eds), Kluwer Academic Publishers, pp. 213-226
25. O. Damberg, A. Migdalas (1997) “Distributed Disaggregate Simplicial Decomposition - A Parallel Algorithm for Traffic Assignment”, in *Network Optimization*, P.M. Pardalos, et al (eds), *Lecture Notes in Economics and Mathematical Systems* **450**, Springer-Verlag pp. 172-193
26. H. Tuy, S. Ghannadan, A. Migdalas P. Varbrand (1997) “Strongly Polynomial Algorithms for Two Special Minimum Concave Cost Network Flow Problems”, *Optimization*, vol. 32, pp. 23-43
27. G. Baourakis, M. Kourgiantakis A. Migdalas (2002) “The Impact of E-Commerce on Agro-Food Marketing. The Case of Agricultural Cooperatives and Consumers in Crete”, *British Food Journal*, **104**, (8), pp. 580 – 590
28. A. Mavrommati, A. Migdalas, “From Logistics to Collaborative Logistics -- A Theoretical Approach”, In *Financial Engineering, E-Commerce and Supply Chain*, P.M. Pardalos, V.K. Tsitsiringos (eds), 2002, Kluwer Academic Publishers, pp. 343—359
29. .A. Karakitsiou, A. Migdalas, “Quantitative Inventory Modeling and Future Trends in Supply Chain Management”, In *Financial Engineering, E-Commerce and Supply Chain*, P.M. Pardalos V.K. Tsitsiringos (eds),2002, Kluwer Academic Publishers, pp. 271—293
30. Y. Marinakis, A. Migdalas, “Heuristic Solutions of Vehicle Routing Problems in Supply Chain Management”, in *Combinatorial and Global Optimization*, P.M. Pardalos et al. (eds), 2002, Scientific World, pp. 205—235
31. A. Migdalas (2003) “Applications of Game Theory in Finance and Managerial Accounting” *Operational Research. An International Journal*, **2(2)**, pp.209-241
32. B. Eksioglu, A. Migdalas, P.M. Pardalos (2003) “Heuristic Approaches to Production-Inventory-Distribution Problems in Supply Chains”, In *Optimization and Industry: New Frontiers*, V. Korotkich et al. (ed), Kluwer Academic Publishers pp. 15-38
33. A. Migdalas, G. Baourakis, N. Kalogeras H.B. Meriem (2003) “Sector Modeling for the Prediction and Evaluadion of Cretan Olive Oil”, *European Journal of Operations Research*, **115**, pp.522-542
34. P.M. Pardalos A. Migdalas (2004) “A Note on the Complexity of Longest Path Problems Related to Graph Coloring”, *Applied Mathematics Letters*, **17**, pp. 13-15
35. A. Migdalas (2004) Cyclic Linearization and Decomposition of Team Game Models, in *Recent Developments in Cooperative Control and Optimization*, S. Butenko et al (eds), Kluwer Academic Publishers, pp. 333-348

36. A.Karakitsiou, A. Mavrommati, A. Migdalas (2004) "Measuring Production Efficiency in the Greek Food Sector" in *Supply Chain and Finance* P.M. Pardalos et al (eds) Kluwer Academic Publishers pp. 138-150
37. C. Viju, G. Baourakis, A. Migdalas, M. Doumpos, P.M. Pardalos (2004) "Portfolio Optimization using Markowitz Model. A Case Study of the Bucharest Stock Exchange" in *Supply Chain and Finance*, P.M. Pardalos et al (eds) Kluwer Academic Publishers pp.230-249
38. A. Karakitsiou, A. Mavrommati, A. Migdalas (2004) Efficient minimization over product of simplices and its application to nonlinear multicommodity network problems, *Operational Research*, **4 (2)**, pp. 99-118
39. Y. Marinakis, A. Migdalas, P.M. Pardalos (2005) "Expanding Neighborhood GRASP for the Traveling Salesman Problem, *Computational Optimization and Applications*, **32 (3)**, pp. 231-257
40. Y. Marinakis, A. Migdalas, P.M. Pardalos (2005) "A Hybrid Genetic-GRASP Algorithm Using Lagrangean Relaxation for the Traveling Salesman Problem", *Journal of Combinatorial Optimization*, **10 (4)** pp. 311-326
41. A.Mavrommati, A. Migdalas (2005) "Hierarchical Modeling for the Agricultural Sector in Greece and bilevel Programming" *The Journal of Financial Decision Making*, **1 (2)**, pp. 57-68
42. I. Mandalianos, M. Kourgiantakis and A. Migdalas (2005) "Prometheus: A web based system focusing on local e-government" in *Management of Technological Changes, Book 1 of "Proceedings of the 4th International Conference on the Management of Technological Changes, Chania, Greece, August 19-20, 2005"*, C.Rusu and Y. Phillis (eds.), Technical University of Crete, 2005, pp. 133-138
43. A. Karakitsiou, A. Migdalas (2006) "Optimization and Coordination for Linear Integrated Production, Inventory and Transportation Planning in Supply Chain by Decomposition Methods" in *Proceedings of the 15th National Congress of EEEE "Planning, Information Retrieval and Knowledge Management"* pp.673-687
44. Y. Marinakis, A. Migdalas, P.M. Pardalos (2006) "A new bilevel formulation for the vehicle routing problem and a solution method using a genetic algorithm", *Journal of Global Optimization*, **38, (4)**, pp.555-580
45. Y. Marinakis, A. Migdalas (2007) "Annotated bibliography in vehicle routing", *Operational Research*, **7, (1)**, pp. 27-46
46. A. Karakitsiou, A. Mavrommati, A. Migdalas, K. Tsiakali (2007) "Customer satisfaction evaluation in the tourism industry. The case of Chania", *Foundations of Computing and Decision Sciences*, **32, (2)**, pp.111-123

47. H. Tuy, A. Migdalas & N.T. Hoai-Phuong (2007) A Novel Approach to Bilevel Nonlinear Programming, *Journal of Global Optimization*, **38** (4), 527-554
48. A. Karakitsiou, A. Migdalas (2008) “A decentralized coordination mechanism for integrated production–transportation–inventory problem in the supply chain using Lagrangian relaxation”, *Operational Research*, **8**, (3), pp. 257-278
49. Y. Marinakis, A. Migdalas, P.M. Pardalos (2008) “Expanding neighborhood search–GRASP for the probabilistic traveling salesman problem”, *Optimization Letters*, **2**, (3), pp. 351-361
50. Y. Marinakis, A. Migdalas, P.M. Pardalos (2009) “Multiple phase Search—GRASP based on Lagrangean relaxation, random backtracking Lin–Kernighan and path relinking for the TSP”, *Journal of Combinatorial Optimization*, **17** (2), pp. 134-156

Chapters in Books

1. O. Damberg, A. Migdalas S. Storoy (1997) “Parallel Algorithms for Network Problems”, *Parallel Computing in Optimization*, Kluwer Academic Publishers
2. K. Holmqvist, A. Migdalas P.M. Pardalos (1997) “Parallelized Heuristics for Combinatorial Search”, *Parallel Computing in Optimization*, Kluwer Academic Publishers
3. K. Holmqvist, A. Migdalas P.M. Pardalos (1997) “Parallel Continuous Non-Convex Optimization”, *Parallel Computing in Optimization*, Kluwer Academic Publishers
4. A. Migdalas, P.M. Pardalos S. Storoy (1997) “Parallel Computing in Optimization”, *Parallel Computing in Optimization*, Kluwer Academic Publishers
5. M. D'Apuzzo, M. Marino, A. Migdalas, P.M. Pardalos G. Toraldo (2006) “Parallel computing in global optimization” in *Handbook of Parallel Computing and Statistics*, E.J. Kontoghiorghes (ed) Hapman and Hall pp. 225-258
6. M. D'Apuzzo, M. Marino, A. Migdalas, P.M. Pardalos G. Toraldo (2006) “PA parallel linear algebra standpoint” in *Handbook of Parallel Computing and Statistics*, E.J. Kontoghiorghes (ed) Hapman and Hall pp. 259-281
7. A. Migdalas (2006) “Nonlinear programming in telecommunications” in *Handbook of Optimization in Telecommunications*, M.G.C. Resende and P.M. Pardalos (eds) pp. 27-66
8. M. Kourgiantakis, I. Mandalianos, P.M. Pardalos, A. Migdalas (2006) “Optimization in e-commerce” in *Handbook of Optimization in Telecommunications*, M.G.C. Resende and P.M. Pardalos (eds) pp. 1077-1050
9. Y. Marinakis, A. Migdalas & P. M. Pardalos (2008) “Cost Allocation in Combinatorial Optimization Games”, in *Pareto Optimality, Game Theory and Equilibria*, Altannar Chinchuluun et al (eds), pp. 217-247

Short Articles

1. J. Barcelo, K. Jornsten A. Migdalas, “The Resource Constrained Spanning Tree Problem. Alternative Modelling and Algorithmic Approaches”, *Algorithms and Model Formulations in Mathematical Programming*, S. Wallace (Editor), NATO ASI Series F, Computer and Systems Sciences, vol. 51, Springer-Verlag, Berlin, 1989, pp.142-143
2. O. Damberg, A. Migdalas S.C. Narula, “Location Problems and Parallel Programming - A Tutorial”, *Studies in Locational Analysis* (1993), 4, pp. 87-92

Organized Workshops & Conferences

- 1992** Nordic Workshop on Parallel Computing and Large Scale Optimization Problems, August 21-23, Linköping, Sweden
- 1995** Second Workshop of the International Working Group on Environment, Locational Decisions and Regional Planning, The Swedish Home, Cavala, Greece, June 28 - July 3
- 1995** Nordic Summer Course and Workshop on Parallel Processing and Mathematical Programming, Rimforsa, Sweden, August 7-16
- 1995** First International Workshop on Bilevel and Hierarchical Programming, Rimforsa, Sweden, November 19-24
- 1997** International Workshop: From Local to Global Optimization , Rimforsa, August 15-18
- 1998** International Workshop: Discrete and Global Optimization, Maleme, Crete, Greece, May 17-21
- 2001** Recent Advances in Non-Differentiable Optimization, International Workshop, October 1-4, Kyiv, Ukraine
- 2003** First International Conference on Computational Management, Almyrida, Chania, Greece, May 27-30.
- 2005** International Conference on Bilevel and Hierarchical Optimization, Chania, Greece, May 15-17

TEACHING

Lecture Notes

1. A. Migdalas (1984) Introduction to Nonlinear Programming, Div. of Optimizations, Dept. of Mathematics, Linköping Institute of Technology, Linköping University, Sweden (in Swedish)
2. A. Migdalas & H. Jönsson (1988) Nonlinear Programming, Div. of Optimizations, Dept. of Mathematics, Linköping Institute of Technology, Linköping University, Sweden (in Swedish)

3. A. Migdalas & M. Göte-Lundgren (1991) Combinatorial Optimization - Problems and Algorithms, Div. of Optimizations, Dept. of Mathematics, Linköping Institute of Technology, Linköping University, Sweden (in Swedish)
4. A. Migdalas (1996) Fortran 90 Programming and Fortran Programming of the Connection Machine, Div. of Optimizations, Dept. of Mathematics, Linköping Institute of Technology, Linköping University, Sweden (in English)
5. A. Migdalas (2000) Large-Scale Optimization, Dept. of Production Engineering & Management, Technical University of Crete (in Greek)
6. A. Migdalas (2003) Heuristics, Metaheuristics and Evolutionary Approaches to NP-Hard Optimization Problems, Dept. of Production Engineering & Management, Technical University of Crete (in Greek)
7. A. Migdalas (2005) Introduction to Equilibrium Programming and Game Theory, Dept. of Production Engineering & Management, Technical University of Crete (in Greek)
8. A. Migdalas & I. Marinakis (2008) Combinatorial Optimization, Dept. of Production Engineering & Management, Technical University of Crete (in Greek)

Undergraduate Courses

I have taught courses for undergraduate students at

- Dept. of Electrical and Computer Engineering, Aristotle University of Thessalonica (**AUTH**), Greece
- Dept. of Production Engineering and Management, Technical University of Crete (**TUC**), Greece
- Dept. of Mathematics, Linköping University (**LiU**), Sweden
- Dept. of Mathematical Economics, Århus University (**ÅU**), Denmark
- Dept. of Industrial Engineering (**I**), Linköping Institute of Technology (**LiTH**), Sweden
- Dept. of Electrical Engineering (**E**), LiTH
- Dept. of Computer Engineering (**C**), LiTH
- Dept. of Mechanical Engineering (**M**), LiTH
- Dept. of Computer Science (**D**), LiTH
- Dept. of Information Technology (**IT**), LiTH

Specifically I have taught for several years the following courses: (1) **Linear and Non-linear Optimization** for E, M and D, (2) **Operations Research I** and (3) **Operations Research II** for I, (4) **Linear and Integer Programming** for C, (5) **Combinatorial Optimization** for C, E and IT, (6) **Optimization in Telecommunication networks** for D, (7) **Decomposition Methods of Optimization** for LiU, (8) **Combinatorial Optimization and Network Theory** for TUC, (9) **Equilibrium Programming and Game Theory** for TUC, (10) **Optimized Design and Analysis of Supply Chain** for TUC, (11) **Numerical Analysis** for AUTh, (12) **Linear Programming** for ÅU.

Postgraduate Courses

I have taught courses for postgraduate and doctoral students at

- Dept. of Mathematics, Aristotle University of Thessalonica (**AUTh**), Greece
- Dept. of Production Engineering, Technical University of Crete (**TUC**), Greece
- Dept. of Economics, Mediterranean Agronomic Institute of Chania (**MAICh**), Greece
- Dept. of Mathematics, Linköping Institute of Technology (**LiTH**), Sweden
- Århus University (**ÅU**), Denmark
- Norwegian School of Economics and Business Administration (**NHH**), Bergen, Norway

Specifically I have taught (1) **Operations Research (OR)**, (2) **Mathematics in Economics** and (3) **OR and GIS** at MAICh, (4) **Parallel Nonlinear Optimization Algorithms** at ÅU, (5) **Optimization** at NHH, (6) **Massively Parallel Computing and Optimization Algorithms** at LiTH, (7) **Large Scale Optimization** and (8) **Heuristics, Metaheuristics and Evolutionary Algorithms** at TUC, (9) **Algorithms and Complexity** and (10) **Sparse Matrices and Large Scale Linear Systems of Equations** at AUTh.

Master and Ph.D. Theses Supervision

Ph.D. Theses at LiTH, Sweden

Saied Ghannadan	Feasibility and Global Optimality in Network Flows (1995)
Olof Damberg	Parallel Optimization Algorithms for Network Flow Problems (1996)

Ph.D. Theses at TUC, Crete

Athanasia Mavromati	Decision Hierarchy in the Agricultural Sector of Greece and Methods and Solution Methods of Bi-level Programming (2005)
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- Ioannis Marinakis** Heuristic Algorithms for Vehicle Routing Problems (2005)
- Athanasia Karaki-tsiou** Coordination and Competitiveness in Supply Chain: Optimization and Game Theoretic Approaches (2006)

Licentiate of Philosophy at the LiTH, Sweden

- Zang-Wei Liu** Nonlinear Pricing and Decomposition Techniques with Applications to Multicommodity Network Flows (1988)
- Saied Ghannadan** Global Optimization Approaches to certain Network Flow Problems (1993)
- Kristina Holmqvist** Solving Global Optimization Problems in Engineering and Location (1997)

Master Theses at TUC, Crete

- Ioannis Marinakis** Development and Application of an Algorithm for the Solution of the Vehicle Routing Problem. (2001)
- Markos Kourgiantakis** Development of a System for the E-Commerce and Marketing of Chemical Products (2003)
- Constantinos Karakiozopoulos** Development of a Interactive System for Vehicle Routing (2004)
- Nikos Pothoulakis** Vehicle Routing with Geographical Information Systems (2005)
- Iraklis Mandalianos** Development of a System for Electronic Democracy for Local Government (2005).
- Constantina Tsiakali** Measurement of the Efficiency of the Hotel Sector in Greece(2006)

Master Theses at MAICH, Crete

- Hassine Ben Meriem** Prediction and Evaluation Modeling in the Agricultural Sector of Olive Oil in Crete(2001)
- Markos Kourgiantakis** E-Commerce and E-Business Potential in Crete(2001)
- Crina-Ioana Viju** Portfolio Optimization Using the Markowitz Model: An Application to the Bucharest Stock Exchange(2002)
- Dmitri Gravas** Portfolio Analysis and Optimization in the Russian Stock Market (2003)

Paul Kazarian	Portfolio Optimization: A Comparative Analysis of the Markowitz's Mean Variance and Konno ' s Absolute Deviation Models for the Australian Stock Exchange Market(2003)
Vaggelis Kamatzis	Greek Fruit Juices - A Market Outlook and Survey (2004)
Constantina Tsiakali	Measuring Customer Satisfaction: The case of Chania Touristic Sector (2005)