IOANNIS MINIS

PERSONAL DATA

Place and Date of Birth	Athens, 20 May 1958
Family Status	Married, 2 daughters
Telephone	(+30)22710-35450 (office),
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EDUCATION

Ph.D., Mechanical Engineering, University of Maryland, College Park, February 1988. Dissertation topic: "Prediction of Machine Tool Chatter in Turning."

M.S., Mechanical Engineering, Clarkson University, August 1983. Thesis Topic: "Theoretical and Experimental Investigations on Void Distributions and Phase Equilibria in Randomly Packed Granular Materials."

Diploma, Mechanical Engineering, National Technical University of Athens, Greece, February 1982. Diploma thesis topic: "Modeling and Control of the Fuel-to-Air Ratio in Internal Combustion Engines."

EMPLOYMENT

Sept. 2023 – today	Professor Emeritus, Department of Financial and Management Engineering, University of the Aegean, Greece. Reseach in the areas of logistics, production and service systems, integrated artificial intelligence systems (AI).
Jul. 2002 – Aug. 2023	Professor, Department of Financial and Management Engineering, University of the Aegean, Greece. Reseach in the areas of logistics, production and service systems
Febr. 2011 – Febr. 2012	Head of Graduate Programme in Economics and Management for Engineers, Department of Financial and Management Engineering, University of the Aegean, Greece
Jan. 1997 – Jul. 2002	Business Sector Manager, Planning Management Consultants, Athnes, Greece
Aug. 1995 – Jan. 1997	Associate Professor (with tenure), Department of Mechanical Engineering, University of Maryland, College Park. Research in the areas of Machining Dynamics and Control, and Production Systems
Jan. 1996 - June 1996	Visiting Professor, Department of Mechanical Engineering, National Technical University of Athens, Greece. Teaching and research in the areas of concurrent engineering and production systems
May 1993 – Aug. 1995	Assistant Professor, Department of Mechanical Engineering, University of Maryland, College Park. Research in the areas of Machining Dynamics and Control, and Production Systems
July 1991 – Jan. 1997	Joint appointment with the Institute for Systems Research,

	University of Maryland, College Park. Director of the Computer Integrated Manufacturing laboratory of the M.E. Department and ISR (since October 1993)
Feb. 1988 - May 1993	Assistant Professor, Department of Mechanical Engineering, University of Maryland, Baltimore County. Research in the areas of Machining Dynamics and Control, and Production Systems
Dec. 1983 - Jan. 1988	Research Fellow and Assistant Instructor, Department of Mechanical Engineering, University of Maryland, College Park. Research in Machining Dynamics conducted at the National Institute of Standards and Technology
Jan. 1984 - Nov. 1984	Research Assistant, Department of Mechanical Engineering, University of Maryland, College Park. Research in the area of Automatic Controls
Aug. 1982 - Aug. 1983	Research Assistant, Clarkson University, Potsdam, NY. Research in the area of Statistics of Granular Materials

Awards

1. Mechanical Engineering Department Fellowship, University of Maryland, College Park, 1985-1988.

2. Westinghouse Professorship for the academic year 1989-1990, Department of Mechanical Engineering, University of Maryland.

3. Best paper award in the area of Engineering Database Management: "Use of PDES in Group Technology Applications for Electronics", 1992 ASME International Conference on Computers in Engineering.

4. 1993 Earl E. Walker Outstanding Young Manufacturing Engineer Award, Society of Manufacturing Engineers (SME).

RESEARCH, SCHOLARLY AND CREATIVE ACTIVITIES

Edited volumes

1. Zeimpekis, V., Tarantilis, C.D., Giaglis, G.M., Minis, I., (Eds.), *Dynamic Fleet Management: Concepts, Systems, Algorithms & Case Studies*, Springer-Verlag, New York, 241 pages, 2007.

2. Minis, I., Zeimpekis, V., Dounias, G., Ampazis, N. (Eds.), *Supply Chain Optimization, Design and Management: Advances and Intelligent Methods*, Business Science Reference, IGI Global, 320 pages, 2011.

3. Zeimpekis, V., Ichoua, S., Minis, I. (Eds), *Humanitarian and Relief Logistics, Research Issues, Case Studies and Future Trends*, Springer Science + Business Media, New York, 219 pages, 2013.

4. Zeimpekis, V., Aktas, E., Bourlakis, M., Minis, I. (Eds.), *Sustainable Freight Transport - Theory, Models, and Case Studies,* Sprienger, Operations Research/Computer Science Interfaces Series, Volume 63, 178 pages, (ISBN-13: 978-3319629162), 2018.

5. Bourlakis, E., Arkas, E., Zeimpekis, V., Minis, I. (Eds.), *Improving Supply Chain with Analytics and Industry 4.0 Technologies*, *Supply Chain 4.0*, pages 288, 1st Edition, will be released on May 26, 2020.

Chapters in Books

1. Proth, J.M. and Minis, I., "Planning and Scheduling Based on Petri Nets", *Petri Nets in Flexible and Agile Automation*, edited by M.C. Zhou, Kluwer Academic Publishers, Boston, MA, 1995, Chapter 5, pp. 109-148.

2. Minis, I. and Berger, B.S., "Modeling, Analysis and Characterization of Machining Dynamics", *Dynamics and Chaos in Manufacturing Processes*, edited by F.C. Moon, Wiley, New York, 1998, Chapter 5, pp. 125-164.

3. Herrmann, J., Minis, I. and Nau, D.S., "Integrated Design and Process Planning for Microwave Modules", *Integrated Process and Product Development: Methods, Tools, and Technologies*, Wiley, New York, 1998, Chapter 14, pp. 377-405.

4. Minis, I. and Ampazis, N., "Applications of Neural Networks in Supply Chain Management", *Nature Inspired Computing*, Volume II, Chapter XXXIX, 589 – 607, 2006.

5. Zeimpekis, V., Minis, I., Mamassis, K. and Giaglis, G.M., "Dynamic Management of a Delayed Delivery Vehicle in a City Logistics Environment"*, Dynamic Fleet Management: Concepts, Systems, Algorithms & Case Studies*, Springer- Verlag, 2007, Chapter 9, 197 – 217.

6. Athanasopoulos, T., Minis, I., "Multi-period routing in Hybrid Courier Operations"*, Supply Chain Optimization, Design & Management: Advances & Intelligent Methods*, IGI Global Publications, Chapter 11, 232 – 251, 2011.

Refereed Journal Articles

1. Minis, I., Magrab, E. and Pandelidis, I., "Improved Methods for the Prediction of Chatter in Turning. Part 1: Determination of Structural Response Parameters", *ASME Journal of Engineering for Industry*, vol. 112, n.1, 1990, pp. 12-20.

2. Minis, I., Magrab, E. and Pandelidis, I., "Improved Methods for the Prediction of Chatter in Turning. Part II: Determination of Cutting Process Parameters," *ASME Journal of Engineering for Industry*, vol. 112, n.1, 1990, pp. 21-27.

3. Minis, I., Magrab, E. and Pandelidis, I., "Improved Methods for the Prediction of Chatter in Turning. Part III: A Generalized Linear Theory", *ASME Journal of Engineering for Industry*, vol. 112, n.1, 1990, pp. 28-35.

4. Minis, I., Yanushevsky, R. and Tembo, A., "Analysis of Linear and Nonlinear Chatter in Milling", *Annals of the CIRP*, vol. 35, n.1, 1990, pp. 459-462.

5. Minis, I., Jajodia, S. and Harhalakis, G., "Manufacturing Cell Formation with Multiple, Functionally Identical Machines"' *ASME Manufacturing Review*, vol. 3, n.4, 1990, pp. 252-261.

6. Boulet, B., Chhabra, P., Harhalakis, G. and Minis, I., "Cell Controllers: Analysis and Comparison of Three Major Projects," *Journal of Computers in Industry*, vol. 16, 1991, pp. 239-254.

7. Jajodia, S., Minis, I., Harhalakis, G. and Proth, J.M., "CLASS: Computerized Layout Solutions Using Simulated Annealing", *International Journal of Production Research*, vol. 30, n.1, 1992, pp. 95-108.

8. Berger, B.S., Minis, I. and Rokni, M., "Metal Cutting Dynamics: An Experimental- computational Study", short paper, *Journal of Sound and Vibration*, vol. 156(1), 1992, pp. 165-169.

9. Berger, B.S., Rokni, M. and Minis, I., "The Nonlinear Dynamics of Metal Cutting", *International Journal of Engineering Science*, vol. 30, n. 10, 1992, pp. 1433-1440.

10. Minis, I. and Yanushevsky, R., "A New Theoretical Approach for the Prediction of Machine Tool Chatter in Milling", *ASME Journal of Engineering for Industry*, vol. 115, n.1, 1993, pp. 1-8.

11. Minis, I. and Tembo, A., "Experimental Verification of a Stability Theory for Periodic Cutting Operations", *ASME Journal of Engineering for Industry*, vol. 115, n.1, 1993, pp. 9-14.

12. Negas, T., Yeager, G., Bell, S., Coats, N. and Minis, I., "$BaTi_4O_9$/$Ba_2Ti_9O_{20}$-based Ceramics Resurrected for Modern Microwave Applications", *American Ceramic Society Bulletin*, vol. 72, n.1, 1993, pp. 80-89.

13. Berger, B., Rokni, M. and Minis, I., "Complex Dynamics of Metal Cutting", *Quarterly of Applied Mathematics*, vol. LI, n.4, 1993, pp. 601-612.

14. Harhalakis, G., Ioannou, G., Minis, I. and Nagi, R., "Manufacturing Cell Formation under Random Product Demand", *International Journal of Production Research*, vol. 32, n.1, 1994, pp. 47-64.

15. Uebel, M., Ali, M. and Minis, I., "The Effect of Bandwidth on Telerobot System Performance", short paper, *IEEE Transactions on Systems, Man and Cybernetics*, vol. 24, n.2, 1994, pp. 342-348.

16. Rokni, M., Berger, B.S. and Minis, I., "Characteristics of Dimension Functions Associated with Cutting Measurements", *ASME Journal of Vibration and Acoustics*, vol. 117, n.3(A), 1995, pp. 259-264.

17. Proth, J.M. and Minis, I., "Complexity of Production Management in a Petri Net Environment", *Rairo*, special issue on *Complexity and Industrial Systems*, 1995, v. 29, n.3, 1995, pp. 321-352.

18. Berger, B.S., Minis, I., Chen, Y.H., Chavali, A. and Rokni, M., "Attractor Embedding in Metal Cutting", short paper, *Journal of Sound and Vibration*, vol. 184(5), 1995, pp. 936-942.

19. Herrmann, J., loannou, G., Minis, I., Nagi, R. and Proth, J.M., "Design of Material Flow Networks in Manufacturing Facilities", *Journal of Manufacturing Systems,* vol. 14, n.4, 1995, pp. 277-289.

20. Berger, B.S., Minis, I., Deng, K., Chen, Y.S., Chavali, A. and Rokni, M., "Phase Coupling in Orthogonal Cutting", short paper, *Journal of Sound and Vibration*, vol. 191, n. 5, 1996, pp. 976-985.

21. Candadai, A. Herrmann, J.W. and Minis, I., "Applications of Group Technology in Distributed Manufacturing", *Journal of Intelligent Manufacturing*, 1996, 7, pp. 271-291.

22. Harhalakis, G., Lu, T., Minis, I. and Nagi R., "A Practical Method for the Design of Hybrid-type Production Facilities", *International Journal of Production Research*, vol. 34, n. 4, 1996, pp. 897-918.

23. Mehra, A., Minis, I. and Proth, J.M., "Hierarchical Production Planning for Complex Manufacturing Systems", *Advances in Engineering Software*, vol. 26, 1996, pp. 209-218. Also appeared in the *Proc. of the 1994 ASME International Conference on Computers in Engineering*, Minneapolis, MN, September 1994.

24. Herrmann, J., Ioannou G., Minis, I. and Proth, J.M., "A Dual Ascent Approach to the Fixed-Charge Capacitated Network Design Problem", *European Journal of Operations Research*, vol. 95, n.3, 1996.

25. Agrawal, A., Harhalakis, G., Minis, I. and Nagi, R., "Just-in-time Production of Large Assemblies", *IIE Transactions*, vol. 28, 1996, pp. 653-667.

26. Berger, B.S., Minis, I., Rokni, M., Papadopoulos, M., Deng, K. and Chaveli, A., "Cutting State Identification," *Journal of Sound and Vibration,* vol. 200, n. 1, 1997, pp. 15-29.

27. Rokni, M., Berger, B.S. and Minis, I., "Singular Values of Cumulant Matrices," *Journal of Sound and Vibration*, vol. 205, n. 5, 1997, 706-711.

28. Berger, B.S., Minis, I., Harley, J., Rokni, M. and Papadopoulos, M., "Wavelet based Cutting State Identification," *Journal of Sound and Vibration,* vol. 213, n. 5, 1998, 813-827.

29. Ioannou, G. and Minis, I., "A Review of Current Research in Manufacturing Shop Design Integration, *Journal of Intelligent Manufacturing*, vol. 9, n.1, 1998, 57-72.

30. Berger, B.S., Minis, I. "Non-stationary Cutting", *Journal of Sound and Vibration*, vol. 217, n. 1, 1998, p.p. 183-190.

31. Herrmann, J.W., Ioannou, G, Minis, I. and Proth, J.M., "Minimization of Acquisition and Operational Costs in Horizontal Material Handling System Design", *IIE Transactions*, vol. 31, n. 7, 1999, pp. 679-693.

32. Minis, I., Herrmann, J., Lam, G. and Lin, E. "A Generative Approach for Design Evaluation and Partner Selection for Agile Manufacturing", *Journal of Manufacturing Systems*, vol. 18, n. 6, 1999, 383-395.

33. Agrawal, A., Minis, I. and Nagi, R., "Cycle Time Reduction by Improved MRP-based Production Planning", International Journal of Production Research, v. 38, n. 18, 2000, 4823-4841.

34. Ampazis, N. and Minis, I. "Design of Cellular Manufacturing Systems using Latent Semantic Indexing and Self Organizing Maps", *Computational Management Science*, vol. 1, n. 3-4, 2004, 275-292.

35. Giaglis, G.M., Minis, I., Tatarakis, A. and Zeimpekis, V., "Minimizing Logistics Risk through Real-time Vehicle Routing and Mobile Technologies: Research to-date and Future Trends", *Journal of Physical Distribution and Logistics Management*, vol. 34, n. 9, 2004, 749-764.

36. Minis, I., Paraschi, M. and Tzinourtas, A., "The Design of Logistics Operations for the Olympic Games", *Journal of Physical Distribution and Logistics Management,* vol. 36, n. 8, 2006, p.p. 621-642.

37. Minis, I., Ampazis, N. and Mamassis, K. "Efficient Real Time Management of Goods Distribution to Clustered Clients", *International Journal of Integrated Supply Management*, vol. 3, n 3, 2007, p.p. 211-227.

38. Zeimpelis, V., Tatarakis, A., Giaglis, G.M. and Minis, I., "Towards a Dynamic Teal-time Vehicle Management System for Urban Distribution", *International Journal of Integrated Supply Management*, vol. 3, n. 3, 2007, p.p. 228-243.

39. Minis, I., Keys, E. and Athanasopoulos, T. "Contribution to the Design of the Athletes Bus Network During the Athens 2004 Olympic Games", *Transportation Research Part A*, v. 40, n. 9, 2007, pp. 776-791.

40. Tsirimpas, P., Tatarakis, A., Minis, I. and Kyriakidis, E.G., "Single Vehicle Routing with a Predefined Customer Sequence and Multiple Depot Returns*", European Journal of Operations Research*, vol. 187, n.2, 2007, 483 - 495.

41. Gliatis, V. and Minis, I., "Service Attribute-Process Matrix: a tool for designing and managing services", *Journal of Systems Science and Systems Engineering*, vol. 16, n. 3, 2007, 257-276.

42. Minis, I. and Tsamboulas, D., "Contingency Planning and War Gaming for the Athens 2004 Olympic Transport Operations", *Transport Reviews*, vol. 28, n. 2, 2008, 259 - 280.

43. Tatarakis, A. and Minis, I., "Stochastic Single Vehicle Routing with a Predefined Customer Sequence and Multiple Depot Returns", *European Journal of Operations Research*, vol. 197, n. 2, 2008, 557-571.

44. Minis, I., Angelopoulos, J. and Kyrioglou, G., "Contribution to the Design of the Car Fleet System during the Athens 2004 Olympic Games", *Transport Planning and Technology*, vol. 32, n. 2, 2009, 115-141.

45. Zeimpekis, V., Minis, I. and Pappa, V., "Real-time Logistics Management of Dried Figs Using RFID Technology: Case Study in a Greek Cooperative Company", *International Journal of Logistics Systems and Management*, vol.7, n.3, 2010, 265-285.

46. Tatarakis, A. and Minis, I., "Stochastic Single Vehicle Routing Problem With Delivery and Pick Up and a Predefined Customer Sequence", *European Journal of Operations Research*, vol. 213, 2011, 37-51.

47. Minis, I., Mamasis, K., and Zeimpekis, V., "Real-time Management of Vehicle Breakdowns in Urban Freight Distribution", *Journal of Heuristics,* vol. 18, n.3, 2012, 375-400

48. Zeimpekis, V., Mamasis, K. and Minis, I. "A web-tool for planning environmental friendly freight combined transport operations", *Procedia Social and Behavioral Sciences*, Transport Research Arena – Europe 2012, vol. 48, 2012, 464-472.

49. Caiazza, R. and Minis, I., "Evaluating Benefits of Sport Mega-Events on the Host Cities: Effects of the 34th Americas´ s Cup on Naples", *Chinese Business Review, ISSN 1537-1506*, vol. 11, n. 10, 2012, 849-854.

50. Zeimpekis, V., Minis, I., Giaglis, G., Mamassis, K., "Real-Time Fleet Management and Rerouting in City Logistics", *International Journal of Operations Research and Information Systems*, vol. 4, n.4, 2013, 1-21.

51. Gliatis, V., Minis, I. and Lavasa, K. M., "Assessing the Impact of Failures in Service Operations Using Experimental Design with Simulation", *International Journal of Quality & Reliability Management,* vol.30, n.1, 2013, 23-46.

52. Mamassis, K., Minis, I. and Dikas, G., "Managing Vehicle Breakdown Incidents during Urban Distribution of a Common Product", *Journal of Operations Research Society*, vol. 64, 2013, 925-937.

53. Athanasopoulos, T. and Minis, I., "Efficient Techniques for the multi-period Vehicle Routing Problem With Time Windows a Branch and Price Framework", *Annals of Operations Research*, vol. 206, n. 1, 2013, 1-22.

54. Ninikas, G., Athanasopoulos, T., Zeimpekis, V. and Minis, I., "Integrated Planning in Hybrid Courier Operations", *International Journal of Logistics Management* (IJLM), vol. 25, n. 3, 2014, pp 611-634.

55. Dikas, G. and Minis, I., "Scheduled Paratransit Transport Systems", *Transport Research - Part B*, vol. 67, 2014, 18-34.

56. Ninikas, G. and Minis, I., "Reoptimization Strategies for a Dynamic Vehicle Routing Problem with Mixed Backhauls", *Networks, special issue on "Vehicle Routing",* vol. 64, n. 33, 2014, 214-231.

57. Dikas, G., Minis, I. and Mamassis, K., "Single Vehicle Routing with Predefined Client Sequence and Multiple Warehouse Returns: The Case of Two Warehouses", *Central European Journal of Operations Research*, vol. 24, n. 3, 2016, pp 709 – 730.

58. Baglagis, D.G., Dikas, G. and Minis, I. "The team orienteering pick-up and delivery problem with time windows, and its applications in fleet sizing", *RAIRO- Operations Research,* v. 50, n.3, 2016, pp 503-517.

59. Dikas, G. and Minis, I., "Solving the Bus Evacuation Problem and its Variants", *Computers and Operations Research*, vol. 70, 2016, pp 75-86.

60. Arampantzi, C. and Minis, I., "A New Model for Designing Sustainable Supply Chain Networks and its Application to a Global Manufacturer", *Journal of Cleaner Production*, 156, 2017, pp. 276– 92.

61. Gliatis, V. and Minis, I., "Appropriateness of Cellular Operations in Information-Intensive Services", *Total Quality Management & Business Excellence*, (published online 2017), vol. 30, n.9, 2019, pp. 1042-1067.

62. Dikas, G., Minis, I., "Scheduled Paratransit Transport Enhanced by Accessible Taxis", *Transportation Science*, vol. 52, 5, 2018, pp. 1035-1296.

63. Ninikas, G., Minis, I., "Load Transfer Operations for a Dynamic Vehicle Routing Problem with Mixed Backhauls", *Journal on Vehicle Routing Algorithms*, vol. 1, 2018, pp. 47 – 68.

64. Minis, I., Zeimpekis, V., Koutras, V., Baou, E., "Emergency Evacuation Planning in Natural Disasters Under Diverse Population and Fleet Characteristics", *Journal of Humanitarian Logistics and Supply Chain Management*, vol. 8 no. 4, 2018, pp. 447-476.

65. Arampantzi, C., Minis, I., Dikas, G., "A Strategic Model for Exact Supply Chain Network Design and its Application to a Global Manufacturer", *International Journal of Production Research*, vol.57, no. 5, 2019, pp. 1371-1397.

66. Ninikas, G., Minis, I., "The Effect of Limited Resources in the Dynamic Vehicle Routing Problem with Mixed Backhauls", accepted for publication in *Information 2020*, vol. 11, Issue 9, 414, 2020.

67. Fragkos, M., Zeimpekis, V., Koutras, V., Minis, I., "Supply Planning for Shelters and Emergency Management Crews Operational Research", accepted for publication in the *International Journal of Operational Research*, vol. 22, 741-777, 2022.

68. Karagiannis G., Minis, I., Arampantzi Chr., Dikas G., "Warehousing and Distribution Network Design from a Third-Party Logistics (3PL) Company Perspective", accepted for

publication in the *International Journal of Production Research*. Published online: 28 August 2023.

Refereed Journal Articles under Review

Tepteris, G., Mamasis, K., Minis, I., "Logistics hub surveillance: Optimizing YOLOv3 training for AI-powered drone systems", submitted to the *MDPI*, Manuscript ID: logistics-3486648, 2025.

Refereed Conference Proceedings (Full paper reviewed)

1. Harhalakis, G., Minis, I. and Nagi, R., "Development and Application of a Knowledge Based System for Cellular Manufacturing", Proc. of the Third International Conference on Expert Systems and the Leading Edge in Production and Operations Management, Hilton Head, SC, May 1989.

2. Yanushevsky, R. and Minis, I., "Optimal Control of the Cutting Force in Metal Cutting Operations", Proc. of the 1990 American Control Conference, San Diego, CA, May 1990.

3. Harhalakis, G. and Minis, I., 'Cell Formation for Minimal Traffic under Capacity Constraints", presented to the 1991 ASME Winter Annual Meeting, included in Design Analysis and Control of Manufacturing Cells, PED-Vol. 51, ASME, New York, 1991.

4. Berger, B., Minis, 1. and Rokni, M., "The Dimension of Attractors Associated with Metal Cutting Dynamics", presented to the 1991 ASME Winter Annual Meeting, included in Sensors, Controls and Quality Issues in Manufacturing, PED-Vol. 55, ASME, New York, 1991.

5. Uebel, M., Minis, I. and Cleary, K., "Improved Computed Torque Control for Industrial Robots", Proc. of the 1992 IEEE Robotics and Automation Conference, Nice, France, May 1992.

6. Harhalakis, G., Kinsey, A. and Minis, I., "Automated Group Technology Code Generation Using PDES", Proc. of the Third International Conference on Computer Aided Manufacturing, RPI, Troy, NY, May 1992.

7. Harhalakis, G., Minis, I. and Rathbun, H., "Automated Manufacturability Evaluation for Microwave Modules", Proc. of the Third International Conference on Computer Aided Manufacturing, RPI, Troy, NY, May 1992.

8. Harhalakis, G. and Minis, I., "A Group Technology-based Manufacturability Evaluation System for a Class of Electronic Products", presented in the 1993 ASME Winter Annual Meeting and included in Intelligent Concurrent Design: Fundamentals, Methodology, Modeling, and Practice, DE-Vol.6 1, ASME, New York, 1993.

9. Nau, D., Ball, M., Gupta, S., Minis, I. and Zhang, G.M., "Design for Manufacture by Multi-Enterprise Partnerships", Proc. of the Computer Integrated Engineering Workshop: A Tribute to Steve Fenves, Carnegie Mellon University, Pittsburgh, PA, June 1994.

10. Greenslet, J. and Minis, I., "Design of a Real-Time Surface Roughness Measurement System for Turning", Proc. of the 1994 Japan-USA Symposium on Flexible Automation, Tokyo, Japan, July 1994.

11. Candadai, A., Champati, S., Herrmann, J., Minis, I. and Ramachandran, V., "Product and Enterprise Information Requirements in Agile Manufacturing", Proc. of the 1994 ASME International Conference on Computers in Engineering, Minneapolis, MN, September 1994.

12. Herrmann, I., Mehra, A., Minis, I. and Proth, J.M., "Hierarchical Production Planning with Part, Spatial and Time Aggregation", Proc. of the Fourth International Conference on Computer Integrated Manufacturing and Automation Technology, RPI, Troy, NY, October 1994.

13. Ball, M., Gupta, S., Minis, I., Nau, D. and Zhang, G.M., "Design for Manufacture in Multi-Enterprise Partnerships: Current Status and Future Directions", presented in the 1994 ASME World Congress, Chicago, IL, November 1994, and included in Computer Integrated Concurrent Design, ASME, New York, 1994.

14. Candadai, A., Herrmann, J., Minis, I. and Ramachandran, V., "Product and Process Information Models for Microwave Models", presented in the 1994 ASME World Congress, Chicago, IL, November 1994, and included in E/M CAD Systems for Electronic Packaging, ASME, New York, 1994.

15. Berger, B.S., Minis, I., Deng, K., Chen, Y.S., Chavali, A. and Rokni, M., "Higher Order Spectral Analysis of Time Series", Proceedings of the 34th Heat Transfer and Fluid Mechanics Institute, Sacramento, CA, June 1995.

16. Gupta, S.K., Herrmann, J.W., Lam, G. and Minis, I., "Automated High Level Process Planning for Agile Manufacturing," Proceedings of the 1995 ASME Design Engineering Technical Conferences (Computer-Integrated Concurrent Design Conference), Boston, MA, September 1995.

17. Herrmann, J.W., Minis, I. and Ramachandran, V.J., "Information Models for Partner Selection in Agile Manufacturing," 1995 ASME World Congress, San Francisco, CA, November 1995.

18. Candadai, A., Herrmann, J.W. and Minis, I., "A Systematic Approach for Variant Design Critiquing in Agile Manufacturing", 1995 ASME World Congress, San Francisco, CA, November 1995.

19. Mehra, A., Minis, I. and Proth, J.M., " A Hierarchical Planning Model for Multistage Production Systems, Proc. IEEE Conference on Emerging Technologies and Factory Automation, Paris, France, October 1995.

20. DeLaney, D., Herrmann, J.W., Ioannou, G., Lu, T., Minis, I., Mirza, A. and Palmer, R., "Design and Implementation of a Hybrid Manufacturing Facility", Computers and Industrial Engineering, vol. 29, n.1, pp. 215-319, 1995.

21. Herrmann, J. and Minis, I., "Integrating Design Evaluation and Partner Selection", Proc. of the Fifth National Agility Conference, Boston, MA, March 1996.

22. Herrmann, J., Lam, G. and Minis, I., "Manufacturability Analysis Using High Level process Planning", Proc. of the 1996 ASME Design for Manufacturing Conference, Irvine, CA, August 1996.

23. Hebbar, K., Smith, S.J.J., Minis, I. and Nau, D.S., "Plan-based Evaluation of Designs for Microwave Modules", Proc. of the 1996 ASME Design for Manufacturing Conference, Irvine, CA, August 1996.

24. Smith, S.J.J., Hebbar, K., Nau, D.S. and Minis, I., "Integrating Electrical and Mechanical Design and Process Planning", Proc. of the Knowledge Intensive CAD-2, IFIP Workshop Series, Carnegie Mellon University, September 1996.

25. Kalyanapasupathy, V., Lin, E. and Minis, I., "Group Technology Code Generation over the Internet", Proc. of the 1997 ASME Design Conference, Sacramento, CA, September 1997.

26. Elinson, A., Herrmann, J., Minis, I., Nau D. and Singh G., "Toward Hybrid Variant/Generative Process Planning", Proc. of the 1997 ASME Design Conference, Sacramento, CA, September 1997.

27. Herrmann, J., Lin, E. and Minis, I. "An Operator Information System for Parallel, Off-line Assembly", Proc. of ETFA 97, Los Angeles, CA, September 1997.

28. Tsamboulas, D. and Minis, I., "Checking the Consistency of the Rail Resources with the Railway Demand: The Athens 2004 Olympic Games", the 10th WCRT Conference, 2004.

29. Gliatis, V., Minis, I., ¨Service Attribute-Process Matrix: A Tool for Designing and Managing Services¨, IEEE/SSSM'06.

30. Minis1, I., Kourounis, T., "Estimation of Target Selling Price in New Product Development", Proc. of the 2006 ASME International Design Engineering Technical Conferences & Computers in Engineering Conference, September 10-13, 2006.

31. Zeimpekis, V., Giaglis, G.M. and Minis, I., "Development and Evaluation of an Intelligent Fleet Management System for City Logistics", Proceedings of the 41st Hawaii International Conference on System Sciences (HICSS), January 7-10, 2008.

32. Gliatis, V., Minis, I., Lavasa, K., M. (2009), "The Impact of Failures in Service Operations", Proceedings from the 16th Annual International Conference for the European Operations Management Association, Sweden, June 14-17, no. 196, 2009.

33. Ninikas, G., Athanasopoulos, Th., Marentakis, H., Zeimpekis, V., and Minis, I., "Design and implementation of a real-time fleet management system for a courier operator", In the proceedings of the 4th World Congress on Engineering Asset Management (WCEAM 2009), Athens, Greece, September 28 – 30, 2009.

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35. Karagiannis, G., Minis, I., Arampantzi, C. and Dikas, G., "Warehousing and distribution network design from a Third-Party Logistics (3PL) company perspective", Proc. Of the 10th

IFAC Conference on Manufacturing Modelling, Management and Control MIM 2022, Nantes, France, 22-24 June, 2022.

36. Tepteris, G., Mamasis, K., Minis, I., "Surveillance in Logistics Facilities and Ports via UAVs Using YOLOv3 Algorithm", accepted for the 9th International Symposium and 31st National Conference on Operational Research (HELORS 2023), taking place in Aigaleo, Athens, on June 29-30 and July, 1, 2023.

Refereed Conference Proceedings (Abstract reviewed)

1. Krikelis, N. and Minis, I., "Modeling of Internal Combustion Engines Applied to CFR and Daimler-Benz Engines", *Proc. of the International AMSE Conference*, Paris, France, July 1982.

2. Pandelidis, I., Pecht, M. and Minis, I., "Active Compliance of a Robot Manipulator", *Proc. of the Fifth IASTED International Symposium: Robotics and Automation*, New Orleans, November 1984.

3. Minis, I., Pandelidis, I., and Pecht, M., "Simulation of the Chatter Phenomenon in Metal Cutting", *Proc. of the IASTED International Conference on Applied Simulation and Modeling,* Vancouver, Canada, July 1986.

4. Harhalakis, G., Minis, I., Nagi, R. and Proth, J.M., "A Comprehensive Group Technology System for Cellular Manufacture", *Proc. of the 10th International Conference on Production Research*, Nottingham, U.K., August 1989.

5. Gore, J.P., Minis, I. and Jang, J.H., "Acoustically Modulated Free Jet Flames", *Proc. of the AIAA 28th Aerospace Sciences Meeting*, Reno, Nevada, January 1990.

6. Bahadur, S., Harhalakis, G., Hosier, R. and Minis, I., "A PDES Model for Microwave Modules", *Proc. of the 1991 ASME International Conference on Computers in Engineering*, Santa Clara, CA, August 1991.

7. Harhalakis, G., Kinsey, A. and Minis, I., "Use of PDES in Group Technology Applications for Electronics", *Proc. of the 1992 ASME International Conference on Computers in Engineering*, San Francisco, CA, August 1992.

8. Harhalakis, G. and Minis, I., "Manufacturability Evaluation of Electronic Products Using Group Technology", *Proc. of the 19th Annual NSF Grantees Conference on Design and Manufacturing Systems*, UNC Charlotte, NC, January 1993.

9. Ioannou, G., Minis, I., Nagi, R. and Proth, J.M., "Design of Material Handling Flow Paths", *Proc. of 20th Annual NSF Grantees Conference on Design and Manufacturing Systems*, MIT, Boston, MA, January 1994.

10. Candadai, A., Herrmann, J.W., Minis, I. and Nagi, R., Variant Design Critiquing for Agile Manufacturing", *Proc. of 21st Annual NSF Grantees Conference on Design and Manufacturing Systems*, San Diego, CA, January 1995.

11. Ball, M., Minis, I., Nau, D.S. and Zhang, G.M., "Virtual Factories for Electro-Mechanical Device Manufacturing", *Proc. of 21st Annual NSF Grantees Conference on Design and Manufacturing Systems*, San Diego, CA, January 1995.

12. Herrmann, J.W., Ioannou, G., Minis, I. and Proth, J.M., "Planning for Unit-load, Horizontal Material Handling Systems, *Proc. of 21st Annual NSF Grantees Conference on Design and Manufacturing Systems*, San Diego, CA, January 1995.

13. Lin, E., Minis, I., Nau, D.S. and Regli, W.C., "An Assessment of Virtual Manufacturing Technologies", *Proc. of 22nd Annual NSF Grantees Conference on Design and Manufacturing Systems*, January 1996.

14. Herrmann, J., Minis, I. and Wolf, P., "Work Order Release in Job Shops", *Proc. of the 4th IEEE Mediterranean Symposium on New Directions in Control and Automation*, Chania, Crete, Greece, June 1996.

15. Trichur, V., Ball, M.O., Baras, J.S., Hebbar, K., Minis, I., Nau, D.S., Smith, S.J.J., "Integrating Tradeoff Analysis and Plan-based Evaluation of Designs for Microwave Modules" *Proc. of the Conference on Agile and Intelligent Manufacturing Systems,* Troy, New York, October 1996.

16. Ampazis, N. and Minis, I., "SOM Clustering Manufacturing Application", *Proc. of the Computational Management Science conference,* Crete, Greece, May 27, 2003.

17. Giaglis, G. M., Minis, I., Tatarakis, A. Zeimpekis, V. "Real-time Decision Support Systems in Urban Distributions: Opportunities afforded by mobile and wireless technologies" *Proc. of the 3rd International ECR Research Symposium*, Athens Greece, 11-12 September 2003.

18. Minis, I. and Athanasopoulos, T., "Contribution to the Design of the Athletes' Bus Network during the Athens 2004 Olympic Games", *Euro XX 20th European Conference on Operational Research*, paper-ID:586, page 198, July 2004.

19. Minis, I., Mamasis, C. and Ampazis, A., "Real-time Distribution Management Models", *the Euro XX 20th European Conference on Operational Research*, paper-ID:584, page 171, July 2005.

20. Zeimpekis, V., Giaglis, G., Minis, I., "A Dynamic Real-Time Fleet Management System for Incident Handling in City Logistics", *IEEE Vehicular Technology Conference*, Stockholm, 30 May-1 June 2005.

21. Zeimpekis, V., Mamassis, K., Giaglis G.M., Minis, I. Mavros, A. "Real-time fleet management for urban freight distributions", *Proc. of the 9th National Congress on Logistics, Logistics 2005*, Thessaloniki, Greece, 25-26 November, 2005.

22. Zeimpekis, V., Giaglis, G., Minis, I., "Dynamic Incident Handling in Urban Freight Distributions", *Proc. of the 3rd International Workshop on Freight Transportation and Logistics (ODYSSEUS 2006)*, Altea, Spain, May 23-26, 2005.

23. Zeimpekis, V., Giaglis, G., Minis, I. "Dynamic Vehicle Dispatching Travel Times In Urban Settings*", Proceedings of the 21th European Conference on Operational Research (EURO XXI),* 2-5 July, 2006, Reykjavik, Iceland.

24. Vlachos, I., Zeimpekis, V., Minis, I., Mouzakitis, S., "RF- ID Enabled Management of Fruit Logistics", *Proc. of IEEE International Conference on e-Business Engineering*, 2006.

25. Tsamboulas, D.A., Minis, I., Karanasiou, M., "Transport: Competitiveness and Complemetarity of Transport Mode- Perspectives for Combined Transport", *1st International Conference on Combined Transport*, University of the Aegean, (in CD ROM), Chios, 2007.

26. Zeimpekis, V., Ninikas, G., Athanasopoulos, T., Minis, I., "An Intelligent Fleet Management System for Real-Time Courier Services", *In the Proceedings of the 23rd Conference on Operational Research (EURO XXIII),* Bonn, Germany, July 5-8, 2009.

27. Zeimpekis, V., Minis, I., "Using RFID Technology for Real-Time Logistics Management of Dried Figs: Insights from a Greek Union of Cooperatives", *in the Proceedings of the 4th International Workshop on Freight Transportation & Logistics (ODYSSEUS 2009,* Cesme, Izmir, Turkey, May 26-29, (electronic proceedings), 2009.

28. Zeimpekis, V., Saliaris, D., Mamassis, K., Minis, I., "A Web Platform for Effective Planning of Green Combined Transportation in EU", *in the Proceedings of the 24th Conference on Operational Research* (*EURO XXIV*), Lisbon, Portugal, July 11-14, 2010.

29. Athanasopoulos, T., Ninikas, G., Marentakis, Ch., Dikas, G., Zeimpekis, V., Minis, I. "Design and Implementation of an Interactive Emulation Software for Courier Staff training in Routing Operations: The COURIEL Project", *in the Proceedings of the 1st International conference on Supply Chain*, Katerini, Greece, 1-2 October, 2010.

30. Zeimpekis, V., Mamassis, K., Minis, I., "Green Combined Transport: Practices from the Projecr TRANSit", *Proceedings of the 14th Hellenic Logistics Conference* (in Greek), Athens, Greece, 19 – 20 November, 2010.

31. Zeimpekis, V., Arampantzi, C., Caggianis, L., Kranjec, P., Minis, I., Ottomanelli, L., "Assessment and Benchmarking of Freight Transport Operations: The Case of Pan-European Corridors IV, V and VII", *in the proceedings of the 26th European Conference on Operational Research*, Rome, Italy, 1-4 July, 2013.

32. Arampantzi, C., Otapassidis, P., Zeimpekis, V., Minis, I., "A Heuristic Algorithm for Efficient Forwarding of Shipments in South East Europe via Combined Transport", *in the proceedings of the 26th European Conference on Operational Research*, Rome, Italy, 1-4 July, 2013.

Citations

<2017	2018	2019	2020	2021	2022	2023	2024	2025	Sum
1358	87	100	80	67	75	63	87	6	1923

SCOPUS: 06.02.2025

Invited Talks

1. ASEE/NSF sponsored course on Advanced Techniques in Automated Manufacturing, National Institute of Standards and Technology, "Group Technology", June 1989.

2. Hardinge Bros. Machine Tool Company, "Modeling, Analysis and Control of Metal Cutting Dynamics", February 1990.

3. Maryland Plastics Inc., "Computer Integrated Manufacturing", September 1990.

4. Trans-Tech Inc., "Statistical Process Design and Control", February 1991.

5. Department of Business and Management, University of Maryland, College Park, "Design of Cellular Manufacturing Systems", November 1991.

6. ASME Washington D.C. Chapter, "Chaos in Mechanical Engineering", (with B.S. Berger), November 1992.

7. Westinghouse, ESG. "Optimal Selection of Partners in Agile Manufacturing", December 1993.

8. INRIA-Lorraine, France, "Current Topics of Research in the Computer Integrated Manufacturing Laboratory of the University of Maryland", January 1994.

9. AIAG, Detroit, MI, "Optimal Selection of Partners in Agile Manufacturing", May 1994.

10. University of California at San Diego, NSF Institute of Mechanics and Materials, "Modeling and Analysis of Machine Tool Chatter", March 1995.

11. State University of New York, Praxair Seminar Series, Department of Industrial Engineering, "Design Evaluation and Partner Selection in Agile Manufacturing", November 1995.

12. National Institute of Standards and Technology, "Design Evaluation and Partner Selection in Agile Manufacturing", November 1995.

13. Keynote address in the *6th Conference of the Institute of Production Management*, Athens, Greece, "Integrated Product Development and Production, and the Competitivenss of Time", March 1996.

14. Multiple presentations (over 40) in Greek Public Organisations, Public and Private Companies (1997 - today).

15. Multiple presentations (over 30) σε International Corporations and Public Agencies on transport and supply chain (2009 – today).

Contracts and Grants

<u>Principal Investigator</u>

Date	Sponsor	Co-investigators	Title		Funding
6/89-6/90	Minta Martin		Prediction of Machine Tool Chatter in Milling	$	20,000
8/89-8/91	Westinghouse/ MIPS	G. Harhalakis	Life Cycle Engineering Using Group Technology	$	118,883
7/90-12/90	NASA Goddard Space Flight Center		Robot Performance Metrics for the RRC Arm at NASA-GSFC	$	7,720
1/91-12/91	NASA Goddard Space Flight Center		Robust Regulation of Robot Control Systems	$	34,702
7/91-6/94	Institute for Systems Research	G. Harhalakis, D.Nau, G.M. Zhang	CIM: Information Integration and Decision Making	$	99,000[1]
7/94-6/96	Institute for Systems Research	M. Ball, J. Baras, M. Fu, D.Nau, V.S. Subramanian, G.M. Zhang	Virtual Factories	$	57,250[1]
8/91-8/93	Westinghouse/ MIPS	G. Harhalakis	Optimal Facility Layout and Cycle Time Reduction for Antenna Assembly	$	176,526
9/91-6/92	DRIF		Integrated Design of Machine Tools	$	9,600
9/92-6/93	DRIF		Robust Turning Using a Smart Toolholder	$	9,600
1/93-12/93	Extrude Hone Corp.		Real-time Measurement of Surface Roughness in Turning	$	22,067
9/93-9/94	Westinghouse/ MIPS	G. Harhalakis	A Master Plan for Hybrid Shop Layout	$	83,639
9/93-12/95	U.S. Army, Tank and Automotive Command	G. Harhalakis	Optimal Selection of Partners in Agile Manufacturing	$	564,216
1/95-10/97	Westinghouse/ MIPS	J. Herrmann	Order Release for Job Shop Loading and	$	68,756

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[1] Amount under Minis' direct control; excludes fringe benefits, tuition and overhead.

Date	Sponsor	Co-investigators	Title		Funding
			Scheduling		
8/95-7/98.	NSF	M. Fu, J. Herrmann	Perturbation Analysis and Parallel Computing for Production Management	$	30,000[1]
3/95-2/96	Lawrence Associates Inc.	D. Nau	Background Research in Virtual Manufacturing	$	37,000
10/96-9/97	National Institute for Standards and Technology	D. Nau	Virtual Assembly Lines	$	24,997
10/03– 9/05	Ministry of Development, General Secretariat for Research and Technology, Greece	Athens Economics and Business University, Planning S.A, Nikas S.A, Diakinisi S.A., Emfasis Tilematiki [1]	The Use of Mobile Technologies in Execution Supply Chain	€	149,795[1]
11/02- 9/05	Greek Ministry of Education Ph. D. Student Support (Iraklitos)		Target Costing in Integrated Product Development	€	32,751
12/04-11/06	Ministry of Development, General Secretariat for Research and Technology, Greece	Intrastet S.A., Step One S.A., University of Patras	Development of Enterprise Intelligence Portal using Broad band Technologies for Traditional Manufacturing Sectors	€	23,480[2]
01/05 – 12/08	Ministry of Development, General Secretariat for Research and Technology, Greece		Vehicle Integrated Planning and Management in an Environment of Uncertain Demand	€	45,000
099/05- 01/06	Hellenic Railways		Financial and Economic Evaluation of Four Cargo Railway	€	270,250

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[1] International cooperation grant. Excludes fringe benefits and overhead.
[1] Funding for University of Aegean out of a total of 872.552€
[2] Funding for University of Aegean out of a total of 492.072€

Date	Sponsor	Co-investigators	Title		Funding
			Extensions		
09/05-11/05	Planning A.E		Support of the Innovation and Technology Program "TECHNOGENESIS"	€	24,000
2006-2008	Ministry of Development	Planning A.E., Wackenhut Telematix, Hellenic Post Courier	Management of Dynamic Requests in Logistics Services	€	120.000[1]
2006-2008	Ministry of Development	ENA Chios, Planning S.A.	Innovative Methods for Business Development and Organization in the Northern Aegean Region	€	118.000[2]
2006-2008	Ministry of Development	Mobile Technology, Figs and Nuts Cooperative, Agricultural University	Fruit Traceability Using RFID Technology	€	60.000,00[3]
11/08 – 10/10	Institution of National Fellowships	Greek, Hungarian and Romanian Post Organizations.	Development of an Interactive Training Environment for Postal Workers on Modem Methods of Optimal Routing.	€	63.830[4]
05/09-04/11	INTERREG MED	South Aegean Region, Temi Zammit Foundation, I.S.I.S. "DUCA DEGLI ABRUZZI" of CATANIA-POLYCHIC OF THE SEA, Port Institute of Studies and Cooperation of the Valencia Community FEPORTS, Prefecture of	Mediterranean Intermodal Transit-TRANSit	€	202.460[5]

[1] Funding for University of Aegean out of a total of 700.000€
[2] Funding for University of Aegean out of a total of 530.000€
[3] Funding for University of Aegean out of a total of 155.026€
[4] Funding for University of Aegean out of a total of 312.023 €

[5] Funding for University of Aegean out of a total of 1.299.992,62€

Date	Sponsor	Co-investigators	Title		Funding
		Dodecanese, PROMETNI Institute Ljubljana d.o.o.- Institute of the Traffic and Transport Ljubljana			
09/10 – 08/13	Greek Ministry of Education, Ph. D. Student Support (Iraklitos II)		Dynamic Dial-Ride Problem: The Case of Para-Transit Transport	€	45.000
04/12 – 08/14	INTERREG South East Europe	Ministry of Infrastructure, Transport and Networks, Trainose S.A, Inter-University Consortium of Apulia Region, Democenter-Sipe S.c.r.l., Institute of Traffic and Transport Ljubljana l.l.c., Verona, IFKA , EAMA, Luka Koper, Port and Logistics System, CER Hungary Central European Railway Cargo, Port of Baja	Green Intermodal Freight Transport	€	346.840[1]
07/2013 – 12/14	MED Programme	FEPORTS - Hellenic Institute Of Transport, Council of Chambers of Commerce, Valencia Region, Regional Development Centre Koper, Province of Novara, Chamber of Commerce & Industry of Marseille Provence, Piraeus Port Authority, Liguria Region, -Port Authority of Catania, Prometni Institut, Ljubljiana	Optimizing and Profiting Best Practices in the MED Area on Foreign Trade, Intermodal Transport and Maritime Safety - OPTIMIZEMED	€	90.000[2]
01/2015 – 12/2016	European Commission	-European University of Cyprus, - Regional Italian	An Integrated Methodological	€	131.703,83[1]

Date	Sponsor	Co-investigators	Title		Funding
	DG ECHO	Red Cross (Rome), - Provincial Responsibles of CARITAS, - Humanitarian Logistics and Supply Chain Research Institute.	Framework for Emergency Logistics - MELOGIC		
12/2017 – 12/2018	Ministry of Development, General Secretariat for Research and Technology, Greece		National Cofunding GGET 2016-2017: 2721 - MELOGIC	€	14.217,57

Co-principal Investigator

Date	Sponsor	Co-investigators	Title		Funding
8/88-8/89	PSI-EG&G/ MIPS	E.B. Magrab (PI) M. Abdelhamid	Automation and Control of Metal Forming Operation	$	53,700
4/93-4/96	U.S. Department of Energy	B.S. Berger (PI)	Characterization of Metal Cutting Dynamics	$	204,658
10/93-9/98	NSF	H. Russell (PI), B.S. Berger, J. Sirkis, G.M. Zhang	Design of Sensor-based Machine Tools for Machining of Advanced Ceramics	$	537,500
5/96 - 5/97	Office of Naval Research	D.S. Nau (PI), J.W. Herrmann	Adaptive Process Planning and Plan-based Design Evaluation. Phase I.	$	150,000
9/96 - 9/97	Black & Decker Inc./MIPS	J.W. Herrmann (PI)	An Operator Information System for Parallel Workstations	$	77,892
03/11-02/14	European Commission – FP7	Inasco (GR), Advanced Composites Group (UK), Exel Composites (UK),	Innovative and Smart Tooling from Composite Materials	€	152.400[2]

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[1] Funding for University of Aegean out of a total of 636.339,00€
[2] Funding for University of Aegean out of a total of 2.499.989,00€

Date	Sponsor	Co-investigators	Title		Funding
		Fibretech (D), Invent (D), Khegal Aeronautica (E), Univ. of Patras (GR), Institute Tecnalia (E), Institute Cidaut (E), Institute TWI (UK), Institute Eurexcel (UK)	for Increased Productivity in the Plastics and Composite Materials Industry (COEUS-TITAN)		

Co-investigator

Date	Sponsor	Co-investigators	Title		Funding
2/88-2/89	Kop-Flex Inc./ MIPS	E.B. Magrab (PI) G. Harhalakis	Application of Group Technology to the Kop-Flex Product Line	$	34,700
2/89-8/89	Food Instruments Corp./MIPS	E.B. Magrab (PI)	Control of Container Integrity for Food Instruments Corp.	$	77,400
01/2021-05/2023	ESPA 2014 – 2020 Regional Excellence III		Intelligent Research Infrastructure, Shipping, Supply Chain, Transport and Logistics + (EN.I.R.I.S.S.T.+)	€	243,483.99[1]

Reviewing Activities

Paper reviewer in Journals

ASME Journal of Engineering for Industry
ASME Journal of Dynamic Systems, Measurement and Control
ASME Journal of Vibration and Acoustics
Computers & Operations Research
European Journal of Operations Research
IEEE Transactions on Reliability
IEEE Transactions on Systems, Man and Cybernetics
IEEE Transactions on Robotics and Automation
International Journal of Production Research
International Journal of Machine Tools and Manufacture

International Journal of Production Economics
International Journal of Productivity and Performance Management
International Journal of Sustainable Transportation
Journal of Sound and Vibration
Journal of Robotic Systems
Journal of Intelligent Manufacturing
Journal of Vibration and Control
Journal of Zhejiang University Science (A&B)
Journal of the Operational Research Society
Precision Engineering
Computers & Operations Research, 2015 – today
Transportation Research Part B, 2016
International Journal of Production Research, 2017 - today
European Journal of Operational Research, 2017 - today
Upcoming Springer Edited Volume "Sustainable Freight Transport", 2017
Computers & Industrial Engineering, 2024

Reviewer in significant conferences

ASME Winter Annual Meeting
ASME Computers in Engineering Conference
IEEE CDC

Book reviewer:

Close and Frederick, Modeling and Analysis of Dynamic Systems, Houghton Mifflin Co., Nature Inspired Computing, Idea Group, 2006, Reviewer of two chapters.

Dynamic Fleet Management: Concepts, Systems, Algorithms & Case Studies, Springer- Verlag, Reviewer of one chapter.

Supply Chain Optimization, Design and Management: Advances and Intelligent Methods, IGI Global Publishing (former IDEA), 2011, Reviewer of two chapters.

Research Laboratory Development

- The Laboratory of Desing, Production and Operations Systems at the University of the Aegean, has been developed by Dr Minis to promote research and education in the sector of concurrent engineering and production of new products and operations of planning chain. The laboratory has been equipped with a CNC lathe, a CNC milling machine, several computers and electronic instrumentation as well as special software packages. (AutoCAD, Matlab, Simul8). Research conducted in the laboratory includes concurrent product design to target cost, and production and operation management. Funding for the laboratory has been

provided by the General Secretarial for Research and Technology Ministry of Development, Greece.

- The Machine Tool Dynamics Laboratory supports research and education in the analysis, prediction and control of machining dynamics. Data acquisition equipment and various sensors have been donated by the National Institute of Standards and Technology. Funding for the purchase of a CNC lathe has been provided by the Engineering Research Center of the University of Maryland. The laboratory is also equipped with an 8-channel spectrum analyzer and a microcomputer system that serves as a digital controller. Research conducted in the laboratory has been sponsored by the National Science Foundation, the US Department of Energy, the Extrude Hone Corp. and the University of Maryland.

TEACHING AND ADVISING

Courses Taught in the University Aegean

NOT 0103   Product Design, F 01-02, F 02-03, F 12-13, F 13-14, F 14-15, F 15-16, F 16-17, F 17-18, F 18-19, F 19-20, F 20-21, F 21-22, F 22-23.

NOT 0107   Unified Engineering IV(Control Systems and Signal Analysis), F 02-03, F 03-04, F 04-05, F 05-06, F 06-07, F 07-08, F 11-12, F. 12-13, F.13-14, F 14-15, F 15-16, F 16-17, F. 17-18, F 18-19, F 19-20, F 20-21, F 21-22, F 22-23.

GE 0118   Operations Research I, S 01-02, S 02-03, S 03-04 .

GE 0110   Statistics I, S 02-03, S 06-07.

GE 0129   Modeling, Analysis and Design of Stochastic Systems, F 03-04, F 04-05, F 05-06, F 06-07, F 07-08, F 08-09, F 09-10, F 11-12.

NOT 0109   Production Systems, S 03-04, S 04-05, S 05-06, S 06-07, S 07-08, S 08-09, S 09-10, S 12-13, S. 13-14, S. 14-15, S. 15-16, S. 16-17, S. 17-18, S. 18-19, S 19-20, S 20-21, S 21-22, S 22-23.

NOT 0102   Statics, S 06-07, S 07-08.

DE 0106   Supply Chain I, S 12-13, S.13-14, S. 14-15, S. 15-16, S. 16-17, S. 17-18.

DE 0117   Supply Chain II, S. 18-19, S 19-20, S 20-21, S 21-22, S 22-23.

Courses Taught in the University of Maryland

ENME 360   Dynamics of Machinery
             F92 (55 students), F96 (38 students)

ENME 403   Automatic Controls
            S89, S93, F95 (average number of students: 35 per semester)

ENME 605   Advanced Systems Control
            S92, F93, F94 (average number of students: 15 per semester)

ENME 606   Nonlinear Systems
            F91 (4 students)

ENME 607   Systems Integration and Simulation
            F89, S90 (average number of students: 9 per semester)

ENME 621   Advanced Topics in Control Systems
            F90, S91, S94 (average number of students: 8 per semester)

ENME 614   Advanced Production Control Techniques
            S95 (14 students)

--   Integrated Product and Process Design. Part of the 8th semester course "Study
            of Work and Elements of Ergonomics" in the Mechanical   Engineering
            Department or NTUA, Greece (145 students).

Courses Development in the University of the Aegean

1. MH 0103 Product Design: An Introduction (1st Semester). This is an introductory course into
    product design. The course presents basic design concepts, including the development of
    technical specifications, the axiomatic approach to design, and the relationship between the
    form and function of the product with its materials and manufacturing processes. The course
    also presents the principles of mechanical drawing through a series of drawing projects, in
    which the students sketch complex parts and develop related CAD drawings. Finally, each
    student participates in a group project, in which a commercial product is analyzed and
    discussed in a term paper.

2. MH 0107 Unified Engineering IV (5th Semester). This is an introductory course into
    dynamical systems analysis and system control. In addition related topics of signal analysis
    are discussed. The course presents basic concepts in system modeling (including the
    necessary mathematical background), discusses transient system response and system
    stability. Control system design techniques are presented, including root locus and PID
    controller tuning. Finally, system frequency response and its relationship to signal analysis
    are discussed.

3. GE 0118 Operations Research I (4th Semester). This is an introductory course to
    mathematical programming and operations research. The course focuses on linear
    programming, including developing models for complex problems, solving linear programs
    using the Simplex method, and understanding the fundamental concepts of linear
    programming. In addition the course presents basic methods of network analysis and dynamic
    programming.

4. GE 0110 Statistics I (6th Semester). This is an introductory course in statistics and includes basic topics, such as: descriptive statistics, parameter estimation, hypothesis testing, regression analysis, analysis of variance.

5. GE 0129 Modeling, Analysis and Design of Stochastic Systems (7th Semester). Random events have a great impact on both production and service-related systems. This course focuses on quantitative methods employed in the analysis, design and operation of systems that involve randomness. In particular, the course will examine discrete and continuous Markov models, as well as queuing systems. The related methods will be applied in significant practical issues of system design and operation.

6. MH 0109 Production Systems (8th Semester). This course presents fundamental concepts of production planning, management and control. Specific topics discussed include aggregate production planning, inventory management, production databases, materials planning, manufacturing resource planning, just-in-time production, management of factory dynamics, push and pull systems.

7. D.E. 0106 Supply Chain I (8th Semester). This introductory Supply Chain Management course covers all operational aspects of planning and implementing the supply chain in contemporary enterprises and organizations. The course presents and discusses basic strategies and methods tools for the management of supply chains (e.g. demand forecasting, procurement, distribution channels, customer service). Emphasis is also given to optimization techniques and quantitative methods when tackling complex problems in logistics operations (e.g. warehousing and transportation). The role of ICT and new technologies (e.g. telematics, RFID) in supply chain management is also discussed.

8. D.E. 0117 Supply Chain II (10th Semester). This course will help undergraduate student to drill down to a) fundamental issues of supply chain design and operations, b) the use of advanced quantitative methods for solving related problems, c) how to deal with critical parameters of supply chain organization and management, and d) understanding the challenges and opportunities of the Greek supply chain.

Course Development in the University of Maryland

1. ENME 621 Advanced Topics in Control Systems. Presents current topics of research in control theory. Focuses on the analysis and synthesis of systems with uncertain dynamics. Two approaches are examined: adaptive control and robust control. The latest theoretical advances in these areas are applied to several case studies in mechanical and aerospace systems.

2. ENME 606 Nonlinear Systems. Focuses on the analysis and synthesis of nonlinear control systems. Basic and advanced stability theory and the synthesis of regulators using feedback linearization and sliding control are presented. Emphasis is placed on mechanical and aerospace applications.

3. ENME 605 Advanced Systems Control (Revised contents.) Focuses on the analysis and synthesis of linear dynamical systems. Transfer function and state variable representations,

stability, controllability and observability are presented. System design topics include state feedback, state estimators and the fundamentals of optimal control.

4. ENME 614 Advanced Production Control Techniques (Revised contents.) Reviews the production systems of manufacturing firms. Poses important and interesting problems in production system design and operation. Presents relevant, powerful mathematical tools of production systems engineering including Markov processes, linear and dynamic programming. Applies these tools to selected problems of industrial relevance. Discusses current practices in industry and identifies opportunities for advancement.

Development of Academic Course Curriculum

1. ENME 392 Statistical Methods for Process and Product Development (with E.B. Magrab, L. Milor and G.M. Zhang). The course introduces an integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. The fundamental techniques that form the basis of this methodology include: Designed experimentation, which is employed to obtain the input/output relationships of a process or product, and to determine appropriate input levels; statistical process control, which is used for monitoring process performance. These techniques are implemented by student teams through laboratory activities. Software is employed to support these activities and supplement the classroom material.

2. ENSE 622 System Modeling and Analysis (MSSE program of ISR). Basic system types are defined and fundamental concepts, such as system state, inputs, outputs and disturbances are discussed. Powerful modeling methods are reviewed and employed to build formal structures for solving practical, system-related problems. Quantitative analytical techniques are presented and applied, including Petri nets, Markov processes, queuing theory, and the fundamentals of decision and risk analysis. System simulation is discussed and employed for system analysis and development.

Advising (Research Direction)

Ph.D. Students

1. Abel Tembo, 1994, *Analysis Prediction and Control of Machining Dynamics Applied to Turning Processes*, University of Maryland, College Park

2. Anshu Mehra, 1995, *Hierarchical Production Planning for Job Shops*, (co-advisor with J.M. Proth), University of Maryland, College Park

3. George Ioannou, 1995, *Integrated Manufacturing Facility Design*, University of Maryland, College Park

4. Antonis Tatarakis, 2007, *A Class of Single Vehicle Routing Problems With Predefined Customer Sequence and Depot Returns*, University of the Aegean.

5. K. Mamasis 2010, *Real-Time Vehicle Routing: The Cases of Vehicle Delay and Vehicle Breakdown*, University of the Aegean.

6. T. Athanasopoulos 2011, *The Multi – Period Vehicle Routing Problem and its Applications*, University of the Aegean.

7. G. Dikas 2014, *Paratransit Services Under Normal and Emergency Conditions Using Public Transport Resources*, University of the Aegean.

8. G. Ninikas 2015, *Solving the Dynamic Vehicle Routing Problem with Mixed Backhauls through Re-optimization*, University of the Aegean.

9. Christina Arampatzi, 2017, *Design of Efficient and Sustainable Supply Chain Networks*, University of the Aegean.

10. V. Gliatis 2019, *Lean Manufacturing Concept in Service Environments*, University of the Aegean.

11. G. Tepteris, 2021 – today, *Exploring Deep Learning Applications in Management of Logistics Facilities*, University of the Aegean.

M.S. Students Graduated

Advisor

1. Abel Tembo, 1990, *Prediction of Machine Tool Chatter in Milling.*

2. Mark Uebel, 1991, *Improved Computed Torque Control for Industrial Robots.*

3. John Greenslet, 1994, *Real-Time Measurement of Surface Roughness in Turning.*

4. Ajay Chavali, 1995, *Analysis of Time Series in Metal Cutting Dynamics*

5. Arun Candadai, 1995, *Information Models and Automated Design Processing for Product Evaluation in Agile Manufacturing.*

6. Giang Lam, 1995, *Automated High Level Process Planning and Manufacturability Analysis for Agile Manufacturing.*

7. Vijay Ramachandran, 1996, *Information Models for Agile Manufacturing..*

8. Caleb Belai, 1996, *Parametric Optimization of Machining Dynamics.*

9. Venkatraman Kalyanapasupathy, 1997, *Automated Generation of Group Technology Codes over the Internet.*

10. Lemonia Amygdalou, 2006, *Use of RFID in Fruit Transportation Applications*, University of the Aegean.

11. Ioannis Efthimiopoulos, 2008, *Analysis of the Characteristics and Trends of Entrepreneurship of the District of Northern Aegean*, University of the Aegean.

12. Georgios Dikas, 2010, *Single Vehicle Routing With Predefined Sequence and Multiple Depot Returns: The Case of Two Depots*, University of the Aegean.

13. Aikaterini Sianni, 2011, *Dynamics of the Electricity Market in Greece*, University of the Aegean.

14. Lazaros Amanatidis, 2011, *Frequency of Service in Retail Distribution Networks: Enhancement and Implementation of an Optimal Approach*, University of the Aegean.

<u>Co-advisor</u>

1. Satish Jajodia, 1990, *Design of Manufacturing Cells with Multiple, Functionally Identical Machines* (with G. Harhalakis).

2. Sudhanshu Bahadur, 1991, *A PDES Model for Microwave Modules* (with G. Harhalakis.)

3. Amy Kinsey, 1992, *Automated Generation of GT codes from a PDES Product Information Model* (with G. Harhalakis).

4. Howard Rathbun, 1992, *Automated Manufacturability Evaluation for Microwave Modules* (with G. Harhalakis).

5. Ashutosh Agrawal, 1993, *Just-in-time Production of Large Assemblies in a Job-shop* (with G. Harhalakis).

6. Thomas Lu, 1993, *Integrated Approach for Hybrid Shop Layout* (with G. Harhalakis).

7. Marios Levendopoulos, 1995, *A New Class of Petri Nets for Modeling, Planning and Scheduling of Flexible Manufacturing Systems* (with G. Harhalakis and J.M. Proth).

8. Daniel Harris, 1995, *Feasibility of Transient Control of the Glenn L. Martin Wind Tunnel Main Drive* (with J. Barlow).

9. Kiran Hebbar, 1996, *An Integrated Design and Manufacturability Evaluation System for Microwave Modules* (with D.S. Nau).

10. Murali Narayanaswamy, 1996, *Bottleneck-based Order Release for Job Shop Control* (with J.W. Herrmann).

Diploma Theses Supervised

1. Hara Papachristou, 2005, *The Problem of Orientation with Time Windows*, University of the Aegean.

2. Georgios Ninikas, 2005, *Improvement of Rerouting Method of a Vehicle Distributing to Grouped Customers*, University of the Aegean.

3. Vasiliki Pappa, 2006, *Modeling and Manufacturability Evaluation Methods of Simple Assemblies* , University of the Aegean

4. Tsirimpas Polivios, 2006, *Extensions of the Simple Vehicle Routing Problem with Depot Retimes*, University of the Aegean

5. Nana Neamonitou, 2006, *Cost Estimation of Forging, Cutting and Assembly Processes*, University of the Aegean

6. Alexis Asimakopoulos, 2006, *Determination of the Distribution Service Rate in Retail Customers*, University of the Aegean

7. Konstantinos Keramiotis, 2006, *Parametric Study of a Genetic Algorithm for the Team Orienting Problem*, University of the Aegean

8. Katerina Andritsou, 2006, *Solving the Orienting Problem with Time Windows using a Genetic Algorithm*, University Of the Aegean

9. Kalliopi Kyrou, 2007, *Feasibility Analysis of Selected Manufacturing Processes*, University of the Aegean.

10. Eleni Tsiourva, 2007, *Value Stream Mapping in Financial Services*, University of the Aegean.

11. Olga Manou, 2007, *Application of Just-In-Time Principles to Financial Services*, University of the Aegean.

12. Kalousa Episkopou, 2007, *Life Cycle Cost Evaluation for Defence Systems*, University of the Aegean.

13. Maria – Eleni Katsarou, 2007, *The Large Scale Vehicle Routing Problem*, University of the Aegean.

14. Eleni Limnaiou, 2008, *Convergance of Production Cost to Market Target Cost during New Product Development ,*University of the Aegean.

15. Giannis Selianitis, 2008, *Heuristic Method for Vehicle Routing in a Rolling Horizon,* University of the Aegean.

16. Georgios Dikas, 2008, *A Toolkit for the Optimal Solution of the Vehicle Routing Problem with Time Windows and Capacity Constraints*, University of the Aegean.

17. Kyriaki – Myrto Lavasa, 2009, *The Effects of Rework on Service Operations*, University of the Aegean.

18. Vaggelis Kalpourtzis, 2010, *Solving the Pickup and Delivery Problem with Time Windows (PDPTW) using Simulated Annealing (SA)*, University of the Aegean.

19. Georgios Kapetanvasileiou, 2011, *Organization of Service Systems Using the Design Structure Matrix*, University of the Aegean.

20. Michael Vitellas, 2011, *Load Exchange Strategies for a Vehicle Routing Problem with Dynamic Pickups*, University of the Aegean.

21. Konstantinos Tavlaridis - Gyparakis, 2012, *A Cutting Plane Method for the Team Orienteering Problem with Pickups, Deliveries, Time Windows and Capacity Constraints*, University of the Aegean.

22. Dimitris-Georgios Mpaklagis, 2013, *Fleet Size Decisions for Pick-Up and Delivery Operations using the Branch and Price Method*, University of the Aegean.

23. Aimilios Vasimposis, 2014, *Scheduling and order selection in Liner Shipping*, University of the Aegean.

24. Maria – Ioanna Anagnostou, 2016, *Procurement and Distribution Channels: Two Basic in the Engineer's Education*, University of the Aegean.

25. Georgios Makris, 2016, *Forecasting and Freight Transport: Two Major Areas of the Supply Chain*, University of the Aegean.

26. Evangelia Baou, 2017, *Emergency Evacuation Planning in Natural Disasters: Models and Solution Approaches*, University of the Aegean.

27. Michael E. Fragkos, 2017, *Supply Planning in Natural Disasters: Modelling and Analysis*, University of the Aegean.

28. Vasiliki Malliopoulou, 2018, *Designing the Transport Network of Greece*, University of the Aegean.

29. Dimitris Chatziioannidis, 2019, *Pick up and Backhauling of Solid Waste and Recyclable Material in Urban Areas*, University of the Aegean.

30. Georgios Tepteris, 2020, *Autonomous Vehicles: Basic Concepts in Motion Control and Visual Perception*, University of the Aegean.

31. Kalliopi Vitlari, 2021, Classification of Traffic Signs on Object Recognition, University of the Aegean

32. Pavlos Adamidis, 2021, Assessing the Potential for Development and Competitiveness of Gateway Prots, University of the Aegean.

33. Kleiomeni Tsolakidou, 2022, *Using Twitter to identify consumer sentiment about products and services through AI*, University of the Aegean.

34. Georgios Karagiannis, 2022, Warehousing and Distribution Network Design from a Third-Party Logistics (3PL) Company Perspective, University of the Aegean.

35. Tsiflitzi Anna, 2025, *Fine Tuning of YOLOv3 Training for Object Detection in Images Recorded by a UAV*, University of the Aegean.

36. Lapsanis Panagiotis, 2025, *Improving the Training Performance of the YOLO Algorithm for Detecting Objects From UAV Images Recorded During Monitoring Of Logistic Facilities*, University of the Aegean.

M.S. Scholarly Papers Supervised

1. Christakis Komodromos, 1989, *Numerical Investigation of Milling Dynamics.*

2. Zelalem Eshete, 1992, *Variable Spindle Speed Machining.*

3. Scott Pearle, 1994, *Strategic Modernization of a Small Manufacturing Facility Using a Systems Approach* (MSSE.)

Undergraduate Students

1. Carlton Riddick, 1992, Summer Undergraduate Research Program.

2. Yun Kyu Kang, 1993, Research Experiences for Undergraduates Program.

3. Michael Vukovich, 1994, Research Experiences for Undergraduates Program.

4. Chris Morris, 1995, Research Experiences for Undergraduates Program.

5. Rana Razzaque, 1996, Research Experiences for Undergraduates Program.

Post-doctoral Associates Supervised

1. Jeffrey W. Herrmann, October 1993 - August 1995.

2. Satyandra K. Gupta, September 1994 - January 1995.

3. Edward Lin, December 1994 – January 1997.

Extension Activities

1. Curriculum development and teaching: "An Introduction to Manufacturing Engineering", Higher Education Outreach Program, sponsored by NASA and SWE, UMBC, Summer 1989.

2. Short Course: "Statistical Quality Assurance", Bowles Fluidics Corp., Summer 1988.

3. Short Course: "Total Quality Improvement", Trans-Tech Inc., Spring 1991, Spring 1992.

4. Short Course: "Statistical Experiments for Product and Process Development", Solarex Corp., Summer 1993.

SERVICE

Professional Society Memberships

1. Member, American Society of Mechanical Engineers (ASME).

2. Member, Technical Society of Greece.

Member of Conference Organizing Committees

1. Euro XX 20th European Conference on Operational Research *"Operational Research and the Management of Electronic Services"*, July 2004, Rhodes, Greece.

Conference Session Organizer

1. "Product Data Exchange Standards", in *1993 ASME Database Symposium*, San Diego, CA, August 1993.

2. "Engineering Enterprise Product Data Modeling", in *1994 ASME Database Symposium,* Minneapolis, MN, September 1994.

3. "Automated Design Critiquing", in *1994 ASME World Congress*, Chicago, IL, November 1994 (co-organizer with D.S. Nau).

4. "Design and Process Planning in Synthetic and Virtual Environments", in *1995 ASME Computer-Integrated Concurrent Design Conference*, Boston, MA, September 1995 (co-organizer with D.S. Nau).

5. Member, Scientific Committee, *IEEE Conference on Emerging Technologies and Factory Automation*, Paris, France, October 1995.

Conference Session Chairman

1. "Algorithms for Estimation and Optimization", in *1990 Automatic Control Conference*, San Diego, CA, May 1990, (co-chair.)

2. "Design Methodologies for Manufacturing Systems, Products and Processes", in *Third International Conference on Computer Aided Manufacturing*, RPI, Troy, NY, May 1992.

3. "Product Data Exchange Standards", in *1993 ASME Database Symposium*, San Diego, CA, August 1993.

4. "Engineering Databases", in *1993 ASME Winter Annual Meeting,* New Orleans, LA, November 1993.

5. "Engineering Enterprise Product Data Modeling", in *1994 ASME Database Symposium*, Minneapolis, MN, September 1994.

6. "Automated Design Critiquing", in *1994 ASME World Congress*, Chicago, IL, November 1994, (co-chair).

7. Panelist, "Virtual Manufacturing Enterprises," *Autofact 1994*, SME, Detroit, MI, November 1994.

8. "Design and Process Panning in Synthetic and Virtual Environments", in *1995 ASME Computer-Integrated Concurrent Design Conference*, Boston, MA, September 1995.

9. Panelist, "Globalization: Challenge and Opportunity for the Greek Enterprise", in the *6th Conference of the Institute of Production Management*, Athens, Greece, March 1996.

Reviewing Activities for Agencies

1. Member, NSF Proposal Review Panel, Division of Design and Manufacturing Systems, March 1992.

2. Member, NSF Proposal Review Panel, Division of Dynamic Systems and Control, February 1994.

3. Research proposal individual reviews: NSF Division of Design and Manufacturing Systems, (1992-present.)

4. Ministry of Education, Evaluation of doctoral proposals Irakleitos, "Scholarships of Research with Priority in Basic Research" (2003).

University Service

University of the Aegean

1. Department Representative, Dean's Committee, School of Management, (2002 – 2004)

2. Member, Committee for Re-designing FME Department's Undergraduate Curriculum, (2003)

3. Project Leader "Enhancement of Higher Education, FME Department, (2003)

4. Chairman, University Technical Projects Committee, (2003- 2005)

5. Member, multiple faculty selection committees, (2002 – today)

6. Member, faculty selection committee, Department of Production and Technology Management, University of Piraeus, (2003)

7. Associate Member of the Board, Foundation of Assessing University Degree Equivalence (ΔΙΚΑΤΣΑ), (2003 – 2004)

8. Member, faculty selection committee, Department of Product and System Design, University of the Aegean (2004)

9. Member, faculty selection committee, Department of Economics, University of Thessaloniki, (2004)

10. Member of three-member evaluation committees for faculty selection in a) Information Technology, b) Control Systems, c) Financial Engineering, d) Marketing, e) Operations Management, f) Management and Decision Support for Engineers.

11. Member of the faculty selection panel, FME Department (2004 – today)

12. Member of the Undergraduate Studies Committee, FME Department, (2006 – 2011)

13. Member of the Departmental Evaluation Committee, FME Department (2009 – 2011)

14. Member of the Evaluation Committee of the University of the Aegean, (2009 – today).

15. Assistant Project Manager, University Quality Assessment System, funded by the Ministry of Education (ΜΟΔΙΠ) (2011-2014).

College of Engineering, University of Maryland

1. Library liaison, UMBC (1988-1989)

2. Member, PCC committee (1993-1997).

Department of Mechanical Engineering, University of Maryland

1. Chairman, ad hoc committee for development of Systems Curriculum in CIMAD (1990)

2. Member, search committee for Director of M.E., UMBC (1991)

3. Member, curriculum development committee for the undergraduate option in Manufacturing Engineering, UMBC (1991-1992)

4. Member, ISR committee on industrial interaction, ISR (1992)

5. Seminar coordinator, UMBC (1992-1993)

6. Chairman, working group for undergraduate curriculum development in Engineering Economics, Statistics and Quality Management (1993)

7. Member, graduate program review ad hoc committee (1993-1994)

8. Member, Computer Integrated Manufacturing and Design (CIMAD) program committee (1988-1994).

9. Chairman, minority recruitment committee (1993-1995)

10. Chairman, ad hoc committee for the recruitment of faculty in controls (1995)

11. Member, ad hoc committee for the recruitment of faculty in manufacturing systems (1995)

12. Member, M.S. in Systems Engineering program committee, ISR (1992-present)

13. Member, Design and Manufacturing program committee (1994-present)

14. Member, ad hoc committee for the establishment of the Ph.D. program in Systems Engineering (1995)

15. Member, ISR facilities committee (1995)

16. Member, search committee for ISR director (1995)

17. Member, Advisory Committee of Mechanical Engineering Department (1996-present)

18. Chairman, ad hoc committee for the recruitment of faculty in computer ME applications.