


Curriculum Vitae Michael A. Madas

PERSONAL DATA

	Name	Michael A. Madas
	Date of Birth	July 22 nd , 1977
	Nationality	Greek
	Email Address	mmadas@uom.gr
	Skype id	mmadas1
	Telephone	+30 2310 891847

1.0 ACADEMIC AFFILIATIONS

(2014-) Lecturer, Department of Applied Informatics, School of Information Sciences, University of Macedonia.

(2015-) Research Associate, Information Systems and e-Business (ISeB) Laboratory, University of Macedonia

(2016-) Research Fellow, Centre for Transport and Logistics (CENTRAL) Laboratory, Lancaster University

(2000-) Research Associate, Transportation Systems and Logistics (TRANSLOG) Laboratory, Athens University of Economics and Business

2.0 EDUCATION

Post-doctoral studies in Logistics and Transport Management, Department of Management Science and Technology, Athens University of Economics and Business, 2008

Ph.D. in Management of Transportation Systems, Dissertation Title: “A Critical Assessment of Airport Demand Management: Strategies, Implications, and Potential of Implementation”, Department of Management Science and Technology, Athens University of Economics and Business, 2007

M.Sc. in Decision Sciences, Logistics and Transport Management Specialization, Athens University of Economics and Business, 2001

Diploma of Operational Research and Marketing, Department of Operational Research and Marketing, Athens University of Economics and Business, 2000

English (C2 Level*)

French (A2 Level*)

*Common European Framework of Reference for Languages

3.0 TEACHING ACTIVITY

(2014-) Lecturer, Department of Applied Informatics, School of Information Sciences, University of Macedonia. Teaching of the following undergraduate courses:

- Supply Chain Management
- Logistics Information Systems
- Project Management

(2011-) Adjunct Faculty Member, M.Sc. in Management of Construction Projects, Hellenic Open University

(2006-) Teaching of the following graduate courses:

- “Logistics and Supply Chain Management”, M.Sc. in Logistics and Supply Chain Management, Aristotle University of Thessaloniki (2015-)
- “Value Chain Management”, M.Sc. in Logistics and Supply Chain Management, Aristotle University of Thessaloniki (2015-)
- “Project and Programme Management”, M.Sc. in Public Policy and Management, Athens University of Economics and Business (2012-)
- “Project Management”, Executive MBA, Athens University of Economics and Business (2006-)

(2015-) Academic Coordinator and Tutor of the following e-learning course:

- “Supply Chain Management”, Vocational Training Centre, University of Athens

(2002-2012) Adjunct Lecturer, Department of Management Science and Technology, Athens University of Economics and Business. Teaching of the following undergraduate courses:

- Project and Programme Management
 - Supply Chain Management
 - Analysis and Design of Transportation and Distribution Systems
-

4.0 PARTICIPATION IN RESEARCH ACTIVITIES / PROJECTS

- 4.1 Fact-finding studies in support of the development of an EU strategy for freight transport logistics - Lot 1: Analysis of the EU logistics sector, funded by the European Commission, Directorate General for Mobility and Transport (DG MOVE), (2014).
- 4.2 Stimulating Industrial Innovation in the Construction Sector through Smart Use of the ICT (Connect & Construct), funded by the European Commission, Directorate General for Enterprise and Industry (DG ENTR), (2013-2014).
- 4.3 Assessing the Educational Needs of Engineers and Researchers in Aeronautics and Air Transport (EDUCAIR), funded by the European Commission, Directorate General for Research and Innovation (DG RESEARCH), (2011-2013).
- 4.4 Intensive Programme in Rail and Logistics (RailNewcastle), funded by the European Commission, Directorate General for Education and Culture (EC DG Education and Culture), (2011-2012).
- 4.5 Supporting Platform for Airport Decision-Making and Efficiency Analysis – Phase 2 (SPADE II), funded by the European Commission, Directorate General TRansport and ENergy (DG TREN), (2006-2009).
- 4.6 Supporting Platform for Airport Decision-Making and Efficiency Analysis (SPADE), funded by the European Commission, Directorate General TRansport and ENergy (DG TREN), (2004-2006).
- 4.7 Cooperative Approach to Air Traffic Services (CAATS), funded by the European Commission, Directorate General TRansport and ENergy (DG TREN), (2004-2006).
- 4.8 Aviation Policy information Resources based on Observatory Networks (APRON), funded by the European Commission, Directorate General TRansport and ENergy (DG TREN), (2002-2004).
- 4.9 Supporting the Operational Planning of the Athens 2004 Olympic Games through the Process Logistics Advanced Technical Optimizer (PLATO) Simulation Model (ATHOC-PLATO), funded by the Athens 2004 Olympic Games Organizing Committee (2003).
- 4.10 Implementation of Marginal Cost Pricing in Transport – Integrated Conceptual and Applied Model Analysis (MC-ICAM), funded by the European Commission, Directorate General TRansport and ENergy (DG TREN), (2002-2003).
- 4.11 Business, Policy, and Research implications of Logistics in the e-Economy Environment, (BPR-Logistics), funded by the European Commission, Directorate General INformation SOciety (DG INFOS), (2002-2003).

- 4.12 Economic growth and Sustainable Mobility Supported by IST at Regional Including SMEs (EMIRES), funded by the European Commission, Directorate General INformation SOciety (DG INFSo), (2002-2003).
- 4.13 THEmatic Network on Airport activities (THENA), funded by the European Commission, Directorate General TRansport and ENergy (DG TREN), (2001-2002).
- 4.14 Operational Benefit Evaluation by Testing an A-SMGCS (Advanced Surface Movement Guidance and Control System (BETA), funded by the European Commission, Directorate General TRansport and ENergy (DG TREN), (2001-2002).
- 4.15 The World in your Hands on the Move (WH@M), funded by the European Commission, Directorate General INformation SOciety (DG INFSo), (2000-2002).
- 4.16 Effects on Transport of Trends in Logistics and Supply Chain Management (SULOGTRA), funded by the European Commission, Directorate General TRansport and ENergy (DG TREN), (2000-2001).
- 4.17 Optimisation Platform for Airports, including Landside (OPAL), funded by the European Commission, Directorate General TRansport and ENergy (DG TREN), (2000-2001).
- 4.18 Airport Organizational Study (AOS), funded by the Hellenic Civil Aviation Authority (HCAA), (2000-2001).
- 4.19 Development and Implementation of a Methodological Framework for the Strategic Resource Planning of the Olympic Airways Ground Handling Business Unit, funded by Olympic Airways S.A. (2001).
- 4.20 Developing and Improving Consumers-Suppliers Relationship in Traditional Commerce Using Information and Communication Technologies (DISTRICT), funded by the European Commission, Directorate General INformation SOciety (DG INFSo), (2000).

5.0 MONOGRAPHS / DISSERTATIONS / THESES

- 5.1 Madas, M.A., "A Critical Assessment of Airport Demand Management: Strategies, Implications, and Potential for Implementation", Doctoral Dissertation, Department of Management Science and Technology, Athens University of Economics and Business, 2007.
 - 5.2 Madas, M.A., E.N. Kaselimi, and S. Dimitrelou, "Development and Application of a Methodological Framework for the Strategic Resource Planning of Olympic Airways Ground Handling Business Unit", Master Thesis, M.Sc. Program in Decision Sciences, Athens University of Economics and Business, 2001.
-

6.0 REFEREED JOURNAL PUBLICATIONS

- 6.1 Zografos, K.G., M.A. Madas, and K.N. Androutsopoulos, "Increasing Airport Capacity Utilisation through Optimum Slot Scheduling: Review of Current Developments and Identification of Future Needs", Journal of Scheduling, to appear, 2016. **(Impact Factor 2015: 1,023)**
- 6.2 Zografos, K.G., M.A. Madas, and Y. Salouras, "A Decision Support System for Total Airport Operations Management and Planning", Journal of Advanced Transportation, Vol. 47, Issue 2, pp. 170-189, 2013. **(Impact Factor 2015: 1,292)**
- 6.3 Zografos, K.G., Y. Salouras, and M.A. Madas, "Dealing with the Efficient Allocation of Scarce Resources at Congested Airports", Transportation Research Part C – Emerging Technologies, Vol. 21, Issue 1, pp. 244-256, 2012. **(Impact Factor 2015: 3,075)**
- 6.4 Madas, M.A., K.G. Zografos, "Airport Slot Allocation: A Time for Change?", Transport Policy, Vol. 17, Issue 4, pp. 274-285, 2010. **(Impact Factor 2015: 1,522)**
- 6.5 Madas, M.A., K.G. Zografos, "Airport Capacity vs. Demand: Mismatch or Mismanagement?", Transportation Research Part A – Policy and Practice, Vol. 42, Issue 1, pp. 203-226, 2008. **(Impact Factor 2015: 1,994)**
- 6.6 Zografos, K.G., M.A. Madas, "Advanced Modelling Capabilities for Airport Performance Assessment and Capacity Management", Transportation Research Record (TRR), Aviation 2007, pp. 60-69, Official Journal of the Transportation Research Board (TRB), National Research Council, Washington, D.C., 2007. **(Impact Factor 2015: 0,770)**
- 6.7 Zografos, K.G., M.A. Madas, "Development and Demonstration of an Integrated Decision Support System for Airport Performance Analysis", Transportation Research Part C – Emerging Technologies, Vol. 14, Issue 1, pp. 1-17, 2006. **(Impact Factor 2015: 3,075)**
- 6.8 Madas, M.A., K.G. Zografos, "Airport Slot Allocation: From Instruments to Strategies", Journal of Air Transport Management (JATM), Vol. 12, Issue 2, pp. 53-62, 2006. **(Impact Factor 2015: 1,084)**
- 6.9 Zografos, K.G., M.A. Madas, M.J.A. van Eenige, and R.A. Valdes, "Integrated Airport Performance Analysis through the Use of the OPAL Platform", Air Traffic Control Quarterly (ATCQ), Special Issue Airports, Vol. 13, No. 4, pp. 357-386, 2005.
- 6.10 Zografos, K.G., M.A. Madas, "Critical Assessment of Airport Demand Management Strategies in Europe and the United States: Comparative Perspective", Transportation Research Record (TRR), No. 1850, pp. 41-48, Official Journal of the Transportation Research Board (TRB), National Research Council, Washington, D.C., 2003. **(Impact Factor 2015: 0,770)**
- 6.11 Zografos, K.G., M.A. Madas, "Optimizing Intermodal Trip Planning Decisions in Interurban Networks", Transportation Research Record (TRR), No. 1850, pp.

61-69, Official Journal of the Transportation Research Board (TRB), National Research Council, Washington, D.C., 2003. (Impact Factor 2015: 0,770)

7.0 PUBLICATIONS IN BOOKS / EDITED VOLUMES

- 7.1 Zografos, K.G., G. Andreatta, M. Van Eenige, and M.A. Madas, "A Decision Support System for Integrated Airport Performance Assessment and Capacity Management", Chapter in Edited Book titled Modelling and Managing Airport Performance, Edited by K.G. Zografos, G. Andreatta, and A.R. Odoni, John Wiley & Sons Ltd., 2013.
 - 7.2 Madas, M.A., K.G. Zografos, "Implementation and Assessment of Airport Capacity and Demand Management Strategies: A European Perspective", Chapter in Edited Book titled Modelling and Managing Airport Performance, Edited by K.G. Zografos, G. Andreatta, and A.R. Odoni, John Wiley & Sons Ltd., 2013.
 - 7.3 Madas, M.A., "Logistics / Supply Chain Management Business Function", Chapter in Book titled Management, Business Functions, Edited by O. Kyriakidou and E. Salavou, Rosili Publishing, Athens, 2010.
 - 7.4 Inclusion of the journal paper titled "Critical Assessment of Airport Demand Management Strategies in Europe and the United States: Comparative Perspective", co-authored by K.G. Zografos and M.A. Madas (Transportation Research Record No. 1850) in the Edited Volume U.S. Department of Transportation's Compendium on Congestion: Issues and Analyses Across Modes, compiled and published by the U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics, Washington, D.C., May 2007.
-

8.0 PUBLISHED PAPERS IN REFEREED CONFERENCE PROCEEDINGS / PRESENTATION OF RESEARCH PAPERS

- 8.1 Zografos, K.G., K.N. Androustopoulos, and M.A. Madas, "A Bi-objective Integer Programming Model for Strategic Airport Slot Allocation", 6th International Workshop on Freight Transportation and Logistics (ODYSSEUS 2015), May 31 – June 5, 2015, Ajaccio, France.
- 8.2 Mierop, R., S. Oudmaijer, T. Tol, K. Spitsbaard, M. Madas, and K. Zografos, "Breaking down the barriers to ICT usage in the European construction sector", 10th European Conference on Product & Process Modelling (ECPPM 2014), Session T-2.3, "Collaboration & management", September 17-19, 2014, Vienna, Austria.
- 8.3 Zografos, K.G., M.A. Madas, and C.S. Tsanos, "Assessing Current and Future Uptake of ICT in Construction Supply Chains: A Multi-Criteria Approach", 3rd International Symposium & 25th National Conference on Operational

- Research, Session 5, “Multi-Criteria Analysis I”, June 26-28, 2014, Volos, Greece.
- 8.4 Zografos, K.G., Y. Salouras, and M.A. Madas, “A Model for the Efficient Allocation of Capacity at Slot Coordinated Airports”, Proceedings of the 90th Transportation Research Board (TRB) Annual Conference, Event 475, “Current Issues in Aviation”, sponsored by the Airfield and Airspace Capacity and Delay (AV060) Committee, January 23-27, 2011, Washington, U.S.
 - 8.5 Madas, M.A., K.G. Zografos, and Y. Salouras, “Modelling Airport Performance Trade-off Analysis”, 24th European Conference on Operational Research, July 11-14, 2010, Lisbon, Portugal.
 - 8.6 Salouras, Y., K.G. Zografos, and M.A. Madas, “A Scheduling Approach to Allocate Capacity Efficiently at Congested Airports”, 24th European Conference on Operational Research, July 11-14, 2010, Lisbon, Portugal.
 - 8.7 Madas, M.A., K.G. Zografos, “Managing Airport Congestion: From Theory into Policy Practice”, Proceedings of the 12th World Conference on Transport Research, organized by the World Conference on Transport Research Society (WCTRS), July 11-15, 2010, Lisbon, Portugal.
 - 8.8 Madas, M.A., K.G. Zografos, “A Policy Implementation Roadmap to Airport Slot Allocation”, Proceedings of the 2008 World Conference of Air Transport Research Society, organized by the Air Transport Research Society (ATRS), Session III-D on “Airport Slot”, July 6-10, 2008, Athens, Greece.
 - 8.9 Madas, M.A., K.G. Zografos, “Airport Demand Management: How and Why?”, Proceedings of the 4th International Congress on Transportation Research in Greece, organized by the Hellenic Institute of Transportation Engineers and the Hellenic Institute of Transport, Session 9, “Air Transport”, May 28-30, 2008, Athens, Greece.
 - 8.10 Zografos, K.G., M.A. Madas, “Advanced Modelling Capabilities for Airport Performance Assessment and Capacity Management”, K.G. Zografos, M.A. Madas, Proceedings of the 86th Transportation Research Board (TRB) Annual Conference, Session 218, “Increasing Aviation System Capacity: Strategies and Tactics”, sponsored by the Airfield and Airspace Capacity and Delay (AV060) Committee, January 21-25, 2007, Washington, U.S.
 - 8.11 Zografos, K.G., M.A. Madas, “A Problem-Oriented Decision Support System for Total Airport Performance Assessment”, 21st European Conference on Operational Research, July 2-5, 2006, Reykjavik, Iceland.
 - 8.12 Madas, M.A., K.G. Zografos, “A Policy Compatibility Analysis for Airport Slot Allocation Strategies”, Proceedings of the 2nd International Conference on Research in Air Transportation (ICRAT 2006), organized by Eurocontrol Experimental Centre and the Faculty of Transport and Traffic Engineering of Belgrade University, June 24-28, 2006, Belgrade, Serbia and Montenegro.
 - 8.13 Madas, M.A., K.G. Zografos, “A Multi-Criteria Assessment Framework for the Selection and Evaluation of Airport Slot Allocation Strategies”, Proceedings of the 18th International Conference on Multiple Criteria Decision Making,

- Session 3-V, “Multiple Criteria Decision Support and Applications”, June 19-23, 2006, Chania, Greece.
- 8.14 Madas, M.A., K.G. Zografos, “A Methodology for the Evaluation of Airport Slot Allocation Strategies”, Proceedings of the 3rd International Congress on Transportation Research in Greece, Session 4B, “Innovative Design of Rail and Airport Infrastructure”, organized by the Hellenic Institute of Transportation Engineers and the Hellenic Institute of Transport, May 19-20, 2006, Thessaloniki, Greece.
- 8.15 Madas, M.A., K.G. Zografos, “Airport Demand Management Strategies”, Proceedings of the 2nd Student Scientific Symposium on Management Science and Technology, Department of Management Science and Technology, Athens University of Economics and Business, May 18, 2005, Athens, Greece.
- 8.16 Madas, M.A., K.G. Zografos, “Practical Implementation of Airport Demand Management: From Instruments to Strategies”, Proceedings of the 84th Transportation Research Board (TRB) Annual Conference, Session on “Management and Analysis of Airport Demand and Delay”, sponsored by the Airfield and Airspace Capacity and Delay (AV060) Committee, January 9-13, 2005, Washington, U.S.
- 8.17 Zografos, K.G., M.A. Madas, “Development of a Methodological Framework for the Strategic Planning of Ground Handling Operations”, Proceedings of the 1st Student Scientific Symposium on Management Science and Technology, Department of Management Science and Technology, Athens University of Economics and Business, March 17, 2004, Athens, Greece.
- 8.18 Zografos, K.G., M.A. Madas, and Y. Salouras, “Development of an Advanced Decision Support Tool for Optimizing Intermodal Trip Planning Decisions on the Move”, Proceedings of the 2nd International Congress on Transportation Research in Greece, Session on “Decision Support Systems”, February 26-27, 2004, Athens, Greece.
- 8.19 Zografos, K.G., M.A. Madas, “Efficient Airport Strategic Planning and Policy Formulation through the Establishment of a European Airport Observatory”, Proceedings of the 2nd International Congress on Transportation Research in Greece, Session on “Transport Policy”, February 26-27, 2004, Athens, Greece.
- 8.20 Zografos, K.G., M.A. Madas, “Design and Development of an Integrated Computational Platform for Total Airport Performance Analysis”, Proceedings of the 2nd International Congress on Transportation Research in Greece, Session on “Air Transport”, February 26-27, 2004, Athens, Greece.
- 8.21 Zografos, K.G., M.A. Madas, “Design and Implementation of a European Airport Observatory”, Proceedings of the 83rd Transportation Research Board (TRB) Annual Conference, Session sponsored by the Airfield and Airspace Capacity and Delay (A1J05) Committee, January 11-15, 2004, Washington, U.S.
- 8.22 Zografos, K.G., M.A. Madas, “Critical Assessment of Airport Demand Management Strategies in Europe and the United States: Comparative

- Perspective”, Proceedings of the 82nd Transportation Research Board (TRB) Annual Conference, Session on Airport Capacity and Demand Management, sponsored by the Airfield and Airspace Capacity and Delay (A1J05) Committee, January 12-16, 2003, Washington, U.S.
- 8.23 Zografos, K.G., M.A. Madas, “Optimizing Intermodal Trip Planning Decisions in Interurban Networks”, Proceedings of the 82nd Transportation Research Board (TRB) Annual Conference, Session on Airport Capacity and Demand Management, sponsored by the Airfield and Airspace Capacity and Delay (A1J05) Committee, January 12-16, 2003, Washington, U.S.
- 8.24 Zografos, K.G., M.A. Madas, “A Travel and Tourism Information System providing Real-time, Value-added Logistical Services on the Move”, Proceedings of the M-Business 2002 Conference, July 8-9, 2002, Athens, Greece.
- 8.25 Zografos, K.G., E.N. Kaselimi, and M.A. Madas, “An Integrated Methodological Framework for Flight Schedule Generation and Airport Capacity and Delay Analysis”, Proceedings of the 1st International Congress on Transportation Research in Greece, February 21-22, 2002, Athens, Greece.
- 8.26 Zografos, K.G., M.A. Madas, “Alternatives to Handle the Aviation Capacity Gridlock: A State-of-the-Art Review”, 81st Transportation Research Board (TRB) Annual Conference, Session on Airport Capacity and Demand Management, sponsored by the Airfield and Airspace Capacity and Delay (A1J05) Committee, January 13-17, 2002, Washington, U.S.
- 8.27 Zografos, K.G., M.A. Madas, and E.N. Kaselimi, “Strategic Resource Planning of Ground Handling Operations”, Proceedings of the International Conference on Air Transport and Airports, December 3-4, 2001, Patra, Greece.
- 8.28 Zografos, K.G., M.A. Madas, “A State-of-the-Art Review on Airport Demand Management”, Proceedings of the International Conference on Air Transport and Airports, December 3-4, 2001, Patra, Greece.
- 8.29 Zografos, K.G., M.A. Madas, “Deployment of Advanced Mobile Internet Technologies to Provide Value Added Logistical Services in the Travel and Tourism Industry”, Proceedings of the 17th International Logistics Congress, October 18-20, 2001, Thessaloniki, Greece.
- 8.30 Zografos, K.G., M.A. Madas, “Advanced Mobile Internet Technologies in Travel and Tourism”, Tourism and Logistics Congress, organized by the International Society of Logistics (SOLE, District Greece), March 14, 2001, Athens, Greece.
-

9.0 PAPER REVIEWING ACTIVITY

I have served as a reviewer for the following scientific journals and conferences:

- 9.1 Transportation Science
 - 9.2 Transportation Research Part C: Emerging Technologies
 - 9.3 Transportation Research Record
 - 9.4 Journal of Advanced Transportation
 - 9.5 Supply Chain Management: An International Journal
 - 9.6 International Journal of Logistics Economics and Globalization
 - 9.7 Strategic Outsourcing: An International Journal
 - 9.8 Simulation Modelling Practice and Theory
 - 9.9 Networks
 - 9.10 Annals of Operations Research
 - 9.11 Operational Research: An International Journal
 - 9.12 Transportation Research Board Annual Conferences (2004-6, 2008-9)
 - 9.13 1st Congress of the Transportation and Development Institute, American Society of Civil Engineers (ASCE), March 13-16, 2011, Chicago, Illinois
-

10.0 ACADEMIC EXCELLENCE AWARDS

- 10.1 Teaching Excellence Award for the course “Analysis and Design of Transportation and Distribution Systems”, Department of Management Science and Technology, Athens University of Economics and Business (2005-2006 and 2006-2007).
 - 10.2 Teaching Excellence Award for the course “Project Management”, Department of Management Science and Technology, Athens University of Economics and Business (2004-2005).
 - 10.3 Teaching Excellence Award for the course “Supply Chain Management”, Department of Management Science and Technology, Athens University of Economics and Business (2004-2005).
 - 10.4 State Scholarships’ Foundation (IKY) scholarship for Outstanding Performance in the M.Sc. Program in Decision Sciences, Athens University of Economics and Business (2002).
 - 10.5 Academic Performance Award (1st Prize), M.Sc. Program in Decision Sciences, Athens University of Economics and Business (2001).
 - 10.6 Research Excellence Award for the M.Sc. Thesis (Field Study Project) titled “Development and Implementation of a Methodological Framework for the Strategic Resource Planning of Olympic Airways Ground Handling Business Unit”, M.Sc. Program in Decision Sciences, Athens University of Economics and Business (2001).
-

11.0 PROFESSIONAL AFFILIATIONS

- Institute of Electrical and Electronic Engineers (IEEE)
- World Conference on Transport Research Society (WCTRS)
- Council of Supply Chain Management Professionals (CSCMP)
- National Alliance to Advance NextGen (Next Generation Air Transportation System)
- Greek Logistics Association (EEL)
- Hellenic Operations Research Society (EEEE)