

CURRICULUM VITAE

Isidoros Tsikis

Mechanical & Industrial Engineer, PhD, M.Sc.

Menelaou Loudemi 14, Dasos Xaidariou, 12462, Athens

Tel.:210 5819570, 6972022890, e-mail: itsikis@gmail.com

Personal Information

Date of Birth: 14/06/1977,

Place of Birth: Athens,

Family Situation: Married with two children

Area of Interest – Expertise

Operations Research, Management Science, Production-Inventory Systems, Reliability-Maintenance of Production Systems, Supply Chain Management, Innovation Management, Quality Management.

Education

6/07 PhD in Operations Research: “*Quantitative analysis of the impact of stockouts in Inventory Management*”, Department of Mechanical & Industrial Engineering, University of Thessaly, (Degree: 10/10-Excellent)

3/03 M.Sc. in Mechanical & Industrial Engineering: “*Modern Production Systems & Industrial Management*”, Department of Mechanical & Industrial Engineering, University of Thessaly, (Degree: 8,95/10-Excellent)

7/00 Diploma in Mechanical & Industrial Engineering, Department of Mechanical & Industrial Engineering, University of Thessaly (Degree: 7,46/10-Very Good)

Professional Experience

1. as a mechanical engineer, in “Vasilis Chouliaras LTD” a local company that imports industrial instruments and tools - industrial applications, Volos: 1/03/2000 - 30/02/2001
2. as a consultant in development and implementation of quality assurance systems and development of business plans in PLANNING Central Greece SA-business consultants: 20/12/2002 - 29/09/2004
3. as a scientific collaborator of EUROCONSULTANTS SA: 25/08/2003 - 30/10/2003
4. as a scientific collaborator of University of Thessaly: 1/9/2000 - 2007
5. certified lead auditor of quality management systems, ISO 9000:2000 (series auditor / lead auditor) I.R.C.A certification serial no: LA2/04/GR/7257)
6. as a lead auditor of quality management systems (ISO 9000:2000) for E.Q.A. HELLAS: 1/1/2007 - 2010

Research Projects

Participation in the following research projects of University of Thessaly and the Region of Thessaly as a mechanical engineer, adviser and researcher: 1. INNOREGIO, 2. INVENT: determination of innovative enterprising ideas, 3. INVENT: learning networks and innovation management, 4. INVENT: tourism innovative products - products of sustainable tourism, 5.

employment strategy of Western Thessaly, 6. encouragement of enterprising action of innovative applications, University of Thessaly

Teaching Experience

- as a teaching assistant in the following undergraduate and postgraduate courses of the Department of Mechanical and Industrial Engineering, University of Thessaly: *Production Planning and Control, Stochastic Models in Operations Research, Electric Machines, Optimization Theory, Production Systems.*
- as a specialized research and teaching collaborator with the departments of Business Administration and Mechanical Engineering of the Technological Institute of Larissa, in the following courses: *Operational Research I, Designing with a P.C. - AutoCAD I, Applications of Operational Research in Production Systems, Operations Management.*
- as a scientific teaching collaborator with the Department of Mechanical Engineering, Technological Education Institute of Piraeus, in courses: *Engineering Economics - Project Management and Operations Management.*
- as a scientific teaching collaborator with the Department of Supply Chain Management, Technological Education Institute of Halkis, in the courses: *Supply Chain Management and Production Management.*

Publications

• Articles in International Scientific Journals

➤ I. Tsikis & F.A. Coutelieris. 2010. A mathematical model for the estimation of the energetic potential for several renewable energy sources: Application on the design of a modern power plant. Defect and Diffusion Forum (Volumes 297 - 301) 2010, pp 1414-1419.

(<http://www.scientific.net/DDF.297-301.1414>).

➤ Liberopoulos, G., I. Tsikis, S. Delikouras. 2009. Backorder penalty cost coefficient "b": What could it be? International Journal of Production Economics 123 (1) 166-178.

([http://www.mie.uth.gr/files/LibTsiDelIJPE123\(1\).pdf](http://www.mie.uth.gr/files/LibTsiDelIJPE123(1).pdf)).

➤ Liberopoulos, G. and Tsikis I., 2003, Unified modeling framework of multi-stage production-inventory control policies with lot-sizing and advance demand information, in G.J. Shanthikumar, D. Yao and W.H.M. Zijm (eds.) Stochastic Modeling and Optimization of Manufacturing Systems and Supply Chains, International Series in Operations Research and Management Science, Kluwer Academic Publishers.

(<http://www.mie.uth.gr/files/LibTsiKluwer.pdf>).

• Articles in International Conference Proceedings

➤ Liberopoulos, G., I. Tsikis. 2007. Competing for customer goodwill on product availability. 6th Conference on Analysis of Manufacturing Systems, Lunteren, The Netherlands, 11-16 May 2007. 45-50.

- **Abstracts in International Conference Proceedings**

- Tsikis I., Papapostolou Ch., Kondili A., 2010. Logistics and Supply Chain Management Studies as offered by Greek Universities and Technological Educational Institutes. 1st Olympus International Conference on Supply Chains (ICSC_2010). 01-02 October 2010, Katerini – Mediterranean Village Hotel.
- Liberopoulos, G., I. Tsikis. 2003. Inferred stockout cost coefficients. EURO/INFORMS Joint International Meeting, Istanbul, Turkey, 6-10 July 2003. p. 91.
- Tsikis, I., G. Liberopoulos. 2004. Stockout cost coefficient b: What should it be? Manufacturing & Service Operations Management Conference, Eindhoven, The Netherlands, 1-2 July 2004. Abstr. Nr. A029.

- **Work in Progress**

- Liberopoulos, G., I. Tsikis. 2008. Do stockouts undermine current sales and future customer demand? Working Paper, Department of Mechanical and Industrial Engineering, University of Thessaly. (http://www.mie.uth.gr/files/Stockouts_April_08_paper.pdf)
- Liberopoulos, G., I. Tsikis. 2007. Competing for customer goodwill on product availability. Working Paper, Department of Mechanical and Industrial Engineering, University of Thessaly. (http://www.mie.uth.gr/files/Competing_for_Customer_Goodwill_Nov_07_1.pdf)

- **Theses**

- Tsikis, I., 2000, *Safety Stock versus Safety Time in a two stage Production-Inventory System with Advance Demand Information*, Senior Year Theses, D.M.I.E, Uth.
- Tsikis, I., 2003, *Comparative Modeling of Multi-Stage Production-Inventory Control Policies with Lot Sizing and Advance Demand Information*, Postgraduate (M.Sc.) Theses, D.M.I.E, UTH.
- Tsikis, I., 2007, *Quantitative Analysis of the Impact of Stockouts in Inventory Management*, PhD Theses, D.M.I.E, UTH.

Conference Attendance

- 3rd, 4th and 5th International Conference on «Design and Analysis of Manufacturing Systems», Organized by University of the Aegean

Scholarships/Fellowships

- 1996-97: Scholarship for the 2nd best academic performance in the 1st year of my Undergraduate Studies in D.M.I.E, Uth
- 2000-03: Scholarship for an excellent academic performance in the M.Sc. Postgraduate Program, D.M.I.E, Uth
- 2003-06: Fellowship for Basic Research (Ph.D.), *Study of Stockout Costs in Inventory Control*, Greek Ministry of Education-Heraklitus.

Foreigner Languages

English (First Certificate in English, University of Cambridge)

Computer Knowledge

- European Computer Driving License (E.C.D.L.), (*Basic Concepts of Information Technology, MS Windows, MS Office, MS Internet Explorer - MS Outlook Express*)
- Expert User of: MS Project, FORTRAN, C ++, AutoCAD, S.P.S.S., ARENA, Mathematica, Math LAB.

Administrative Positions Held

4/98 - 4/99 Member of the Undergraduate Students Association of D.M.I.E., Uth

1/02 – 5/05 Chairman of the Postgraduate Students Association of D.M.I.E., Uth

Participation in Business and Scientific Associations

2000: Member of the Technical Chamber of Greece (A.M. 87114)

2000: Member of the Hellenic Association of Mechanical and Electrical Engineers of Greece

2003: Member of the IFIP Greek Computer Society (A.M. 3920)