

# Eur. Ing. Dr. Vasileios S. Zeimpekis

*BEng., MSc., MSc., PhD, CEng*

## 1. PERSONAL DETAILS

**Date - Place of Birth:** 01/08/1978, Athens - Greece

**Work address 1:** OPTILOG Advisory Services, 41 Street, No. 46, Artemis, GR-19016, Greece.

**Work address 2:** Department of Financial & Management Engineering, University of the Aegean, 41 Kountouriotou Street, Chios, GR-82100, Greece.

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## 2. BIOGRAPHICAL SKETCH

Dr. Zeimpekis is the Managing Director of OPTILOG Advisory Services and the Vice President of Operations at the BoD of the Greek Logistics Association (EEL). He holds also the position of Assistant Professor at the Department of Financial & Management Engineering at the University of the Aegean and is the Deputy Director of the DeOPSyS lab situated at the same University. Vasileios is also lecturing at the Hellenic Open University as well as in other Greek and European Universities. His interests focus on Supply Chain Management with emphasis on Sustainable Transport & Information Systems. He has published 5 edited volumes in the management of Supply Chains and more than 60 papers and studies in academic journals and conferences. During the last decade he has participated in more than 25 research projects and 50 industrial projects in transport and logistics sector. Vasileios acts also as an instructor in executive seminars and workshops in public organizations and private firms. He has been appointed as scientific associate in the Hellenic Ministry of Development, as well as in the Hellenic Ministry of Infrastructure, Transport & Networks. He is also a reviewer at the Hellenic General Secretariat of Research & Development, as well as at the European Union. Dr. Zeimpekis holds a BEng(Hons) in Telecommunication Engineering from the University of Essex (UK), an MSc in Mobile & Satellite Communications from the University of Surrey (UK) and an MSc in Engineering Business Management from the University of Warwick (UK). He earned his PhD from the Department of Management Science and Technology at the Athens University of Economics and Business (GR). Dr. Zeimpekis is member of the Technical Chamber of Greece, of the Economic Chamber of Greece, and the European Technical Chamber (FEANI).

## 3. EDUCATION

- 2008**      **PhD in Supply Chain Management**, Department of Management Science and Technology, *Athens University of Economics and Business (AUEB), Greece*
- 2002**      **MSc. (with Distinction) in Engineering Business Management**, Warwick Manufacturing Group, School of Engineering, *University of Warwick, UK*
- 2001**      **MSc. in Mobile and Satellite Communications**, School of Electronic, Information Technology and Mathematics, *University of Surrey, UK*
- 2000**      **BEng(Hons). in Telecommunications Engineering**, Department of Electronic Systems Engineering, *University of Essex. UK*

## 4. WORKING EXPERIENCE

**2014 -...**      **Managing Director**  
OPTILOG Advisory Services

OPTILOG provides value-added advisory services in the transportation and logistics sector. OPTILOG's services include transportation modelling, vehicle routing and scheduling optimization, warehouse design and management, carbon footprint calculation, transportation costing, etc. For further information visit [www.optilog.gr](http://www.optilog.gr)

**2008-2013**      **Senior Logistics & Transport consultant (Freelancer)**

As a Senior Logistics and Transport consultant, I have implemented more than 35 projects in the area of transport and logistics operations in the private and public sector. Projects included

cost-benefit analysis, system design and implementation, business process reengineering, pilot testing and system validation, transport modelling, etc.

**2005-2008      Logistics & Transport consultant (Freelancer)**

As a Logistics and Transport consultant, I have implemented more than 15 projects in the area of transport and logistics operations in the private and public sector. Projects included city logistics projects, warehouse design and management, information systems design and implementation, requirements analysis, etc.

## 5. ACADEMIC POSITIONS

**2013 -...      Adjunct Assistant Professor**

Department of Business Administration, Hellenic Open University

**2013 -...      Visiting Professor in MBA course**

Department of Agricultural Economics and Rural Development, Agricultural University of Athens

**2013 -...      Visiting Professor in MSc courses**

Department of Economic Science, University of Piraeus

**2012-2013      Visiting Professor**

Department of Military Science, Hellenic Military Academy

**2008 -...      Assistant Professor**

Department of Financial & Management Engineering, University of the Aegean

**2008-2011      Visiting Professor**

Department of Logistics Management, Technological University of Halkida

**2007-2008      Adjunct Lecturer**

Department of Informatics & Computer Technology, Technological University of Lamia

**2007 -...      Deputy Director, DeOPSys Lab**

Department of Financial & Management Engineering, University of the Aegean

**2005-2007      Adjunct Lecturer**

Department of Management Science & Technology, Athens University of Economics & Business

## 6. EXPERIENCE IN PROJECTS' IMPLEMENTATION

### 6.1 European projects (indicative list)

- U-TURN (Rethinking Urban Transportation through advanced tools and supply chain collaboration, Horizon 2020)
- MB-net (A network of Excellence in Mobile Business, IST-2002-39164)
- GEMINI (Global Electronic Medium Constellation for Dynamic Content Integration)
- MyGROCER (Mobile Shopping of Electronically Referenced Grocery Products, IST-2000-26239)

### 6.2 Territorial Cooperation projects (indicative list)

- OPTIMIZE-MED (Transport Optimization) – MED Capitalization Program
- GIFT (Green Intermodal Freight Transport) – SEE program
- TRANSit (Intermodal Freight Transit) – MED Program
- INNACT RWG (*EU- DG REGIO, West Greece Region, Innovative Actions*)
- REMOMED (*EU, DG REGIO, INTERREG IIIB, MEDOCC*)

- KLAB (EU, eTEN, Knowledge & learning among business)
- INNOREF (EU, DG REGIO, INTERREG IIIC EAST, Innovation and Resource Efficiency as Driving Forces for Sustainable Growth)

### **6.3 National research projects (indicative list)**

- Innovation Tokens for SMEs
- ICT Standardization for the Hellenic Ministry of Internal Affairs
- SMART ISLANDS (Innovative Methods for managing and developing SMEs in the Northern Aegean Region)
- MA.D.RE.L (Management of Dynamic Requests in Courier Logistics)
- IRIDA (The use of RFID technology in fresh fruit track & trace)
- MO.R.S.E (Mobile Real-Time Supply Chain Execution)
- ATH.EN.S (Athletic Coverage en Stadium)

### **6.4 Research Working Groups (Hellenic Ministry of Development)**

E-Business Forum, Working Party I2, E-Business in the food and beverages sector: The case of Greek SMEs, (acted as Coordinator of the Working Party)

E-Business Forum, Working Party O2, Emerging Services & Applications for Third Generation Mobile Networks (3G), (acted as Coordinator of the Working Party)

E-Business Forum, Working Party Z2, Streamlining the Supply Chain through Automatic Product Identification Technologies (RF-ID,) (acted as Rapporteur of the Working Party)

E-Business Forum, Working Party E4, Mobile & Wireless Applications for Transportation & Logistics, (acted as Rapporteur of the Working Party)

## **7. SCIENTIFIC PUBLICATIONS**

### **7.1 Edited Books**

Zeimpekis, V., Kaimakamis, G., Daras, N. (Eds) (2014) Military logistics: Research Advances and Future Trends, Research/Computer Science Interfaces Series, Springer-Verlag International, In Progress

Zeimpekis, V., Ichoua, S., Minis, I. (Eds) (2013) Humanitarian & Relief logistics: Research issues, case studies and future trends, Research/Computer Science Interfaces Series, Springer-Verlag International, ISBN: 978-1461470069

Minis, I., Zeimpekis, V., Dounias, G., Ampazis, N. (Eds.) (2011) Supply Chain Optimization, Design and Management: Advances and Intelligent Methods, IGI Global Publishing, ISBN: 978-1-61520633-9

Bourlakis, M., Vlachos, I., Zeimpekis, V. (Eds.) (2011) Intelligent Agrifood Chains & Networks, Wiley-Blackwell Publishing, Oxford, UK, ISBN: 978- 1-405-18299-7

Zeimpekis, V., Giaglis, G. M., Tarantilis, C.D., Minis, I. (Eds.) (2007) Dynamic Fleet Management: Concepts, Systems, Algorithms & Case Studies, Operations Research/Computer Science Interfaces Series, Vol. 38, Springer-Verlag International, ISBN: 978-0-387-71721-0

### **7.2 Papers in Scientific Journals**

Ninikas, G., Athanasopoulos, Th., Zeimpekis, V., Minis, I. (2014) Routing in hybrid courier operations, International Journal of Logistics Management (accepted for publication)

Zeimpekis, V., Minis, I., Giaglis, G.M. Mamassis, K. (2013) Real-time fleet management and rerouting in city logistics, *International Journal of Operations Research and Information Systems*, Vol. 4, Issue 4, pp. 1-21

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

Minis, I., Mamasis, K., Zeimpekis, V. (2012) Real-time management of vehicle breakdowns in urban freight distribution, *Journal of Heuristics*, Vol. 18, Issue 3, pp. 375-400

Smirlis, Y., Zeimpekis, V., Kaimakamis, G. (2012) A Data Envelopment Analysis (DEA) model to support the selection of vehicle routing software for city logistics operations, *Operational Research-An International Journal*, Vol.12, No.3, pp.399-420

Zeimpekis, V. (2011) Goods distribution management in city logistics environment: A systemic approach, *Advances in Management and Applied Economics*, Vol. 1, Issue 1, pp. 151-170

Zeimpekis, V., Minis, I., Pappa, V. (2010) Real-time logistics management of dried figs using RFID technology: Case study in a Greek Cooperative company, *International Journal of Logistics Systems and Management*, 7(3), pp. 265-285

Zeimpekis, V., Tatarakis, A., Giaglis, G. M., Minis, I. (2007) Towards a Dynamic Real-Time Vehicle Management System for Urban Distribution, *International Journal of Integrated Supply Management*, 3(3), pp. 228-243

Zeimpekis, V., Giaglis G. M. (2006) Urban dynamic real-time distribution services: Insights from SMEs, *Journal of Enterprise Information Management*, 19(4), pp. 367-388

Giaglis, G. M., Minis, I., Tatarakis, A., Zeimpekis, V. (2004) Minimizing Logistics Risk through Real-Time Vehicle Routing and Mobile Technologies: Research To-Date and Future Trends, *International Journal of Physical Distribution and Logistics Management*, 34(9), pp.749-764

Zeimpekis, V., Giaglis, G. M., Lekakos, G. (2003) Towards a taxonomy of indoor and outdoor positioning techniques for mobile location-based applications, *Journal of ACM, SIGecom Exchanges*, 3(4), pp.19-27

### **7.3 Chapters in Edited volumes**

Zeimpekis, V., Bloemhof, J., Bourlakis, M. (2013) Reverse logistics in food supply chains, In Vlachos, I. and Malindretos, G. (Eds) *Markets, Business and Sustainability*, Bentham Science Publishers (forthcoming)

Zeimpekis, V. (2011) Dynamic travel time estimation techniques for urban freight transportation networks using historical and real-time data, In Minis, I., Zeimpekis, V., Dounias, G. Ampazis, N. (Eds) *Supply Chain Optimization, Design and Management: Advances and Intelligent Methods*, IGI Global Publishing (former IDEA), ISBN: 978-1-61520633-9

Bourlakis M., Vlachos I., Zeimpekis V. (2011) Introduction to the intelligent management of food supply chains, In Bourlakis, M., Vlachos, I., Zeimpekis, V. (Eds.) *Intelligent Agrifood Chains & Networks*, Blackwell Publishing, Oxford, UK, ISBN: 978- 1-405-18299-7

Stragkas, N., Zeimpekis, V. (2011) Basic principles for effective warehousing and distribution of perishable goods in urban environment: Current status, advanced technologies and future trends, In Bourlakis, M.,

Vlachos, I., Zeimpekis, V. (Eds.) Intelligent Agrifood Chains & Networks, Blackwell Publishing, Oxford, UK, ISBN: 978- 1-405-18299-7

Zeimpekis, V. (2011) The use of telematics in daily distribution of perishable goods: The case of NIKAS SA, In Bourlakis, M., Vlachos, I., Zeimpekis, V. (Eds.) Intelligent Agrifood Chains & Networks, Blackwell Publishing, Oxford, UK, ISBN: 978- 1-405-18299-7

Bourlakis M., Vlachos I., Zeimpekis V. (2011) Conclusions to the intelligent management of food supply chains, In Bourlakis, M., Vlachos, I., Zeimpekis, V. (Eds.) Intelligent Agrifood Chains & Networks, Blackwell Publishing, Oxford, UK, ISBN: 978- 1-405-18299-7

Zeimpekis, V., Giaglis, G. M. Minis I. (2007) Dynamic Management Of A Delayed Delivery Vehicle In A City Logistics Environment, In Zeimpekis, V., Giaglis, G.M, Tarantilis, C.D., Minis, I. (Eds.) Dynamic Fleet Management: Concepts, Systems, Algorithms & Case Studies, Management Science Series, Section Production & Logistics, Springer-Verlag, US, ISBN: 978-0-387-71721-0

Zeimpekis, V., Psarrou, M. Vlachos, I., Minis I. (2007) Towards an RFID based system for real-time fruit management, In Blecker, T. and Huang, G. (Eds.) RFID in Operations and Supply Chain Management: Research and Application, Erich Schmidt Verlag (ESV), ISBN: 978-3-503-10088-0

Zeimpekis, V., Kourouthanassis, P.; and Giaglis. G. M. (2007). Mobile and Wireless Positioning Technologies. In Bellavista, P. (Ed.). Telecommunication Systems and Technologies, UNESCO Encyclopaedia of Life Support Systems (EOLSS). EOLSS Publishers Co Ltd, Volume 6.108

Zeimpekis, V., Giaglis, G. M. (2004), A Dynamic Real-time Vehicle Routing System for Distribution Operations, In Doukidis G. J., Vrechopoulos, A. (Eds), Consumer Driven Electronic Transformation: Apply New Technologies to Enthuse Consumers, Springer-Verlag, US, ISBN 3-540-22611-7

#### **7.4 Papers in International-National Academic Conferences (indicative list)**

Gialos, A., Zeimpekis, V., Alexopoulos, N.D., Riekehr, S., Kashaev, N. (2014) Integrated Laser Beam Welded structures for aircraft applications: Manufacturing, weight saving and testing aspects, In the Proceedings of the 39th Solid Mechanics Conference, Zakopne, Poland, September, 1-5

Zeimpekis, V., Mamassis, K., Drossos, D., Minis, I. (2014) Carbon footprint calculation and monitoring in freight transport operations: A systemic approach, In the Proceedings of the 20th Conference of the International Federation of Operational Research (IFORS 2014) Societies, Spain, Barcelona, July 13-18

Otapassidis, P., Arampantzi, C., Zeimpekis, V., Minis, I. (2014) Transport mode selection during cargo movement operations in the South East Europe area, In the Proceedings of the 20th Conference of the International Federation of Operational Research (IFORS 2014) Societies, Spain, Barcelona, July 13-18

Arampantzi, C., Otapassidis, P., Zeimpekis, V., Minis, I. (2014) Optimal freight transport planning in South East Europe, In the Proceedings of the International Conference on Engineering and Applied Science Optimization (OPTI 2014), Greece, Kos Island, June 4-6

Alexopoulos, N.D., Zeimpekis, V., Kashaev, N., Enz, J., Riekehr, S., Karanika, A. (2014) Towards integral aircraft beam Al-Li welded structures; the trade-offs between manufacturing and environmental footprint, In the Proceedings of the Greener Aviation 2014: Clean Sky breakthroughs and worldwide status, Belgium, Brussels, March 12-14

Zeimpekis, V. (2013) Calculating the carbon footprint in the last mile: A case study of freight distributor in Northern Greece, In the Proceedings of the 17th PanHellenic Logistics Conference (Logistics 2013), Greece, Athens, 28-29 November

Bray, S., Arampantzi, C., Binetti, M., Caggiani, L., Minis, I., Zeimpekis, V. (2013) DEA for green intermodal freight transport efficiency evaluation: The case of South East Europe Corridors, In the Proceedings of the 8th International Conference on Ports & Waterways (POWA2013), Croatia, Zagreb, October 3-4

Zeimpekis, V., Arampantzi, C., Caggiani, L., Kranjec, P., Minis, I., Ottomanelli, L. (2013) Assessment and benchmarking of freight transport operations: The case of Pan-European Corridors IV, V and VII, In the Proceedings of the 26th Conference on Operational Research (EURO XXVI), Rome, Italy, July 1-4

Arampantzi, C., Otapassidis, P., Zeimpekis, V., Minis, I. (2013) A heuristic algorithm for efficient forwarding of shipments in South East Europe via combined transport, In the Proceedings of the 26th Conference on Operational Research (EURO XXVI), Rome, Italy, July 1-4

Zeimpekis, V. (2013) Optimizing freight transport operations in humanitarian military missions, In the Proceedings of the 2nd International Conference on Applications of Mathematics & Informatics in Military Sciences (AMIMS), Athens, Greece, 11-12 April

Gorlas, D., Zeimpekis, V. (2012) Adopting green practices in the freight transport & logistics sector: The case of Northern Greece, In the Proceedings of the 2nd Olympus International Conference on Supply Chain, Katerini, Greece, 5-6 October

Zeimpekis V., Mamasis, K., Minis, I. (2010) Green combined freight transport: Practices from the TRANSit project, In the Proceedings of the 14th PanHellenic Logistics Conference (Logistics 2010), Greece, Athens, 19-20 November

Athanasopoulos, T., Ninikas, G., Marentakis, Ch., Dikas, G., Zeimpekis, V., Minis, I. (2010) 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

Zeimpekis, V., Saliaris, D., Mamasis, K., Minis, I. (2010) 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

Ninikas, G., Athanasopoulos, T., Marentakis, H., Zeimpekis, V., Minis, I. (2009) 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

Zeimpekis, V., Ninikas, G., Athanasopoulos, T., Minis, I. (2009) 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

Zeimpekis, V., Minis, I. (2009) 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)

Ninikas, G., Athanasopoulos, Th., Marentakis, H., Zeimpekis, V., Minis, I. (2008) Development of an Integrated Fleet Management System for Real-Time Courier Services: Design and Implementation, In the Proceedings of the 20th National Conference of the Hellenic Society of Operational Research, Spetses, Greece, June 19-21, pp. 1111-1123

Zeimpekis, V., Giaglis, G.M. Minis, I. (2008) Development and evaluation of an intelligent fleet management system for city logistics, In the Proceedings of the *41st Hawaii International Conference on System Sciences (41st HICSS)*, Hawaii, January 7-10, (electronic proceedings)

- Vlachos, I., Zeimpekis, V., Chondros P., Psarrou, M., Stragkas, N. (2007) E-business adoption by small and medium food firms: Evidence from Greece, In the Proceedings of the 5th Biennial Conference of the European Federation of IT in Agriculture (EFITA), Scotland, Glasgow, July 2-5, pp. 285-290
- Zeimpekis, V., Giaglis, G., Minis, I. (2006) Dynamic vehicle dispatching with time-dependent travel times in urban settings, In the Proceedings of the 21th European Conference on Operational Research (EURO XXI), Reykjavik, Iceland, July 2-5, (electronic proceedings)
- Zeimpekis, V., Giaglis, G., Minis, I. (2006) Dynamic Incident Handling in Urban Freight Distributions, In the Proceeding of the 3rd International Workshop on Freight Transportation and Logistics (ODYSSEUS 2006), Altea, Spain, May 23-26, pp. 88-90
- Zeimpekis, V., Mamassis, K., Giaglis G.M., Minis, I. Mavros, A. (2005) Real-time fleet management for urban freight distributions, In the Proceedings of the 9th National Congress on Logistics (Logistics 2005), Thessaloniki, Greece, November 25-26, pp. 176-185
- Zeimpekis, V., Mamassis, K., Damianidis, T., Mavros, A. (2005) A Real-Time Vehicle Management System for Urban Distributions based on Time-Dependent Information, In the proceedings of the 3rd International Workshop in Supply Chain Management and Information Systems (SCMIS 2005), Thessaloniki, Greece, July 6-8, pp. 104-113
- Zeimpekis, V., Giaglis, G. M., Minis I. (2005) A dynamic real-time fleet management system for incident handling in city logistics, In the proceedings of the 61st IEEE Vehicular Technology Conference (IEEE VTC), Stockholm, Sweden, May 30-June 1, pp. 2900-2904
- Kourouthanassis, P., Zeimpekis, V., Giaglis, G. M. (2004) Providing supply chain with intelligence: Current status and future trends of RFID technology acceptance in the Greek market, In the Proceedings of the 8th National Congress on Logistics (Logistics 2004), Athens, Greece, November 26-27, pp. 346-365
- Zeimpekis, V., Giaglis, G. (2004) Mobile real-time services for city logistics: An empirical investigation into user perception and requirements, In the proceedings of the 3rd International Conference on Mobile Business (M-Business 2004), New York, USA, July 12-13, (electronic proceedings)
- Zeimpekis, V., Giaglis, G., Tatarakis, A. (2004) A systemic approach to real-time vehicle re-routing for urban distributions, In the proceedings of the 20th European Conference on Operational Research (EURO XX), Rhodes, Greece, July 4-7, (electronic proceedings)
- Zeimpekis, V., Giaglis, G. M. (2003) Real-time Decision Support Systems in Urban Distributions: Opportunities afforded by mobile and wireless technologies, In the proceedings of the 3rd International ECR Research Symposium (ECR), Athens, Greece, September 11-12, (electronic proceedings)
- Rodina, E., Zeimpekis, V., Fouskas, K. (2003) Revealing the potential for remote workforce business processes integration through real-time mobile communications, In the proceedings of the 2nd International Conference on Mobile Business (M-Business 2003), Vienna, Austria, June 23-24, (electronic proceedings)
- Zeimpekis V., Giaglis, G. (2002) Investigation and assessment of Mobile Commerce as a Supply Chain Management Facilitator, In the Proceedings of the 6th National Congress on Logistics (Logistics 2002), Athens, Greece, November 14-15, pp. 97 - 110
- Zeimpekis, V., Alvarez, R., Tafazolli, R., Evans, B. G. (2002) Impact of constellation design on Doppler rate based MT positioning for S-UMTS, AIAA 2002-2010, In the proceedings of the 20th AIAA International Communication Satellite Systems Conference (AIAA), Montreal, Quebec, Canada, May 12-15, (electronic proceedings)